

Terminal blocks for electrical boards

November 2008 Edition



UNI EN-ISO 9001



UNI EN-ISO 14001

WARNING The technical data contained in this catalogue is not binding for Cabur and may be modified without prior warning, simply for reasons of production or improvement and evolution. For this reason, please contact our technical-commercial offices for any relevant confirmation or updates. For more information about our new products, please visit our website: www.cabur.eu/news



Catalogue printed on FSC certified, ecological and recycled glossy Fedrigoni Symbol Freelifa Matt paper.
FSC (Forest Stewardship Council) is an international non-profit organization devoted to encouraging the responsible management of the world's forests through an environmentally friendly and economically sustainable policy.

Introduction

Iconographic index	page A4
Cabur	page A9
Product range	page A10
Web site	page A11
Quality and environment	page A12
Standards and Directives	page A13
ATEX prescriptions	page A14

Screw-clamp terminal blocks - polyamide

Feed-through and power terminal blocks	pages 2-22
Earth terminal blocks	pages 23-25
Two and three level terminal blocks	pages 26-31
Fuse-holder terminal blocks	pages 32-38
Disconnect terminal blocks	pages 39-43
Terminal blocks for test and measurement circuits	pages 44-45
Diode-holder terminal blocks	pages 46-47
Terminal blocks with electronic components	pages 48-51
Terminal blocks with special connections and for connectors	pages 52-61
Mini-terminal blocks	pages 62 -63
Multi-pole composable terminal boards	pages 64 -66
Neutral disconnect terminal blocks	page 67

Spring-clamp terminal blocks -polyamide

Feed-through terminal blocks	pages 70-74
Earth terminal blocks	pages 76-79
Two and three level terminal blocks	pages 80-82
Disconnect terminal blocks	page 83
Fuse-holder terminal blocks	pages 84-85
Terminal blocks for connectors	pages 86-88
Mini-terminal blocks	pages 89-90

Insulation displacement terminal blocks

Feed-through terminal blocks	pages 91-92
--	-------------

Screw-clamp terminal blocks - melamine

Feed-through and high current terminal blocks	pages 94-100
Terminal blocks for test and measurement circuits	pages 101-103
Fuse-holder and diode-holder terminal blocks	pages 104-107
Terminal blocks for thermocouple circuits	page 108
High current terminal blocks	pages 109-114

Terminal boards for metering panels

.	pages 115-121
-----------	---------------

Accessories

.	pages 122-159
-----------	---------------

Various indexes

Alphabetical index	pages 160-166
Index by catalogue number	pages 167-173
Rail assembly composition guide	page 174

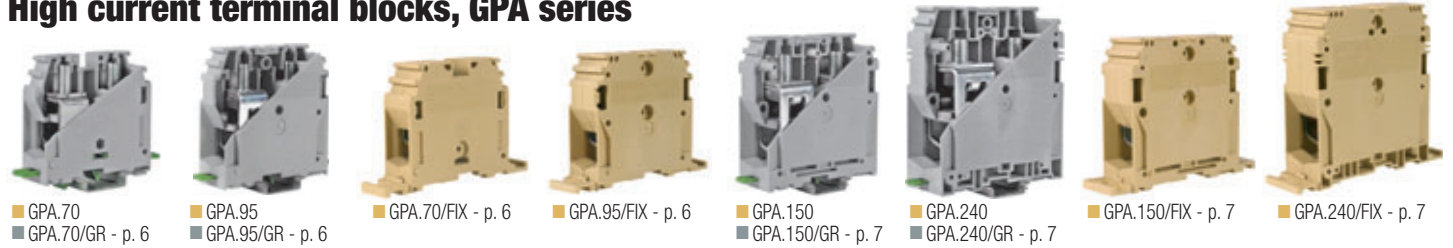
Iconographic index

Polyamide screw-clamp terminal blocks

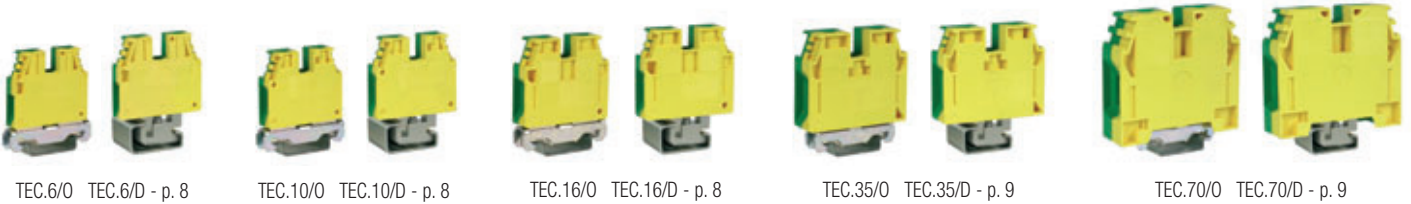
Feed-through terminal blocks, CBC series



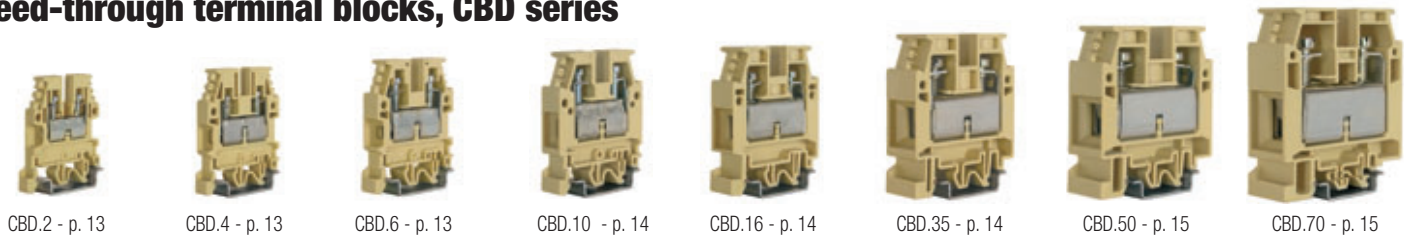
High current terminal blocks, GPA series



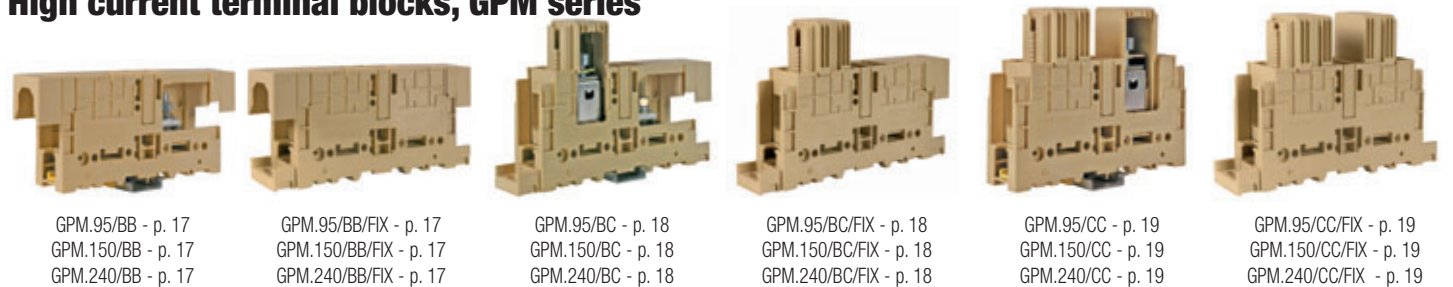
Earth terminal blocks, TEC series



Feed-through terminal blocks, CBD series



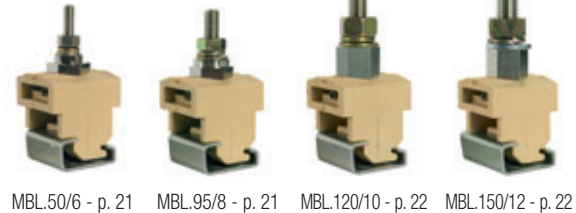
High current terminal blocks, GPM series



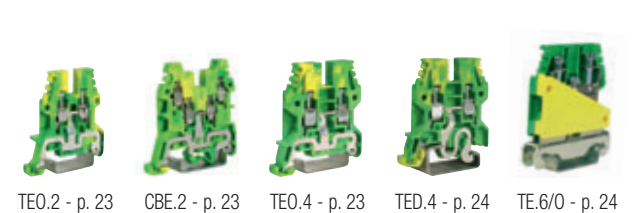
ACB series



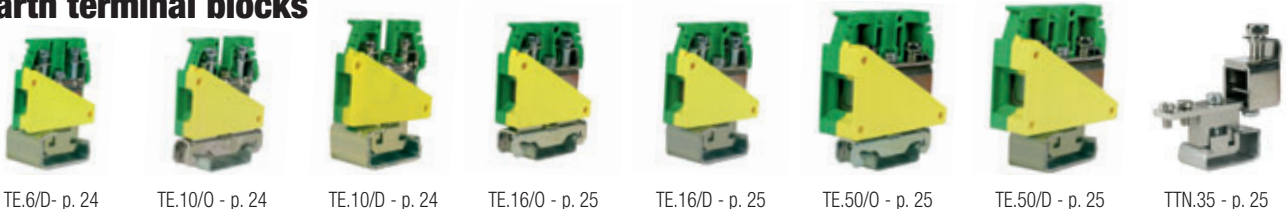
MBL series



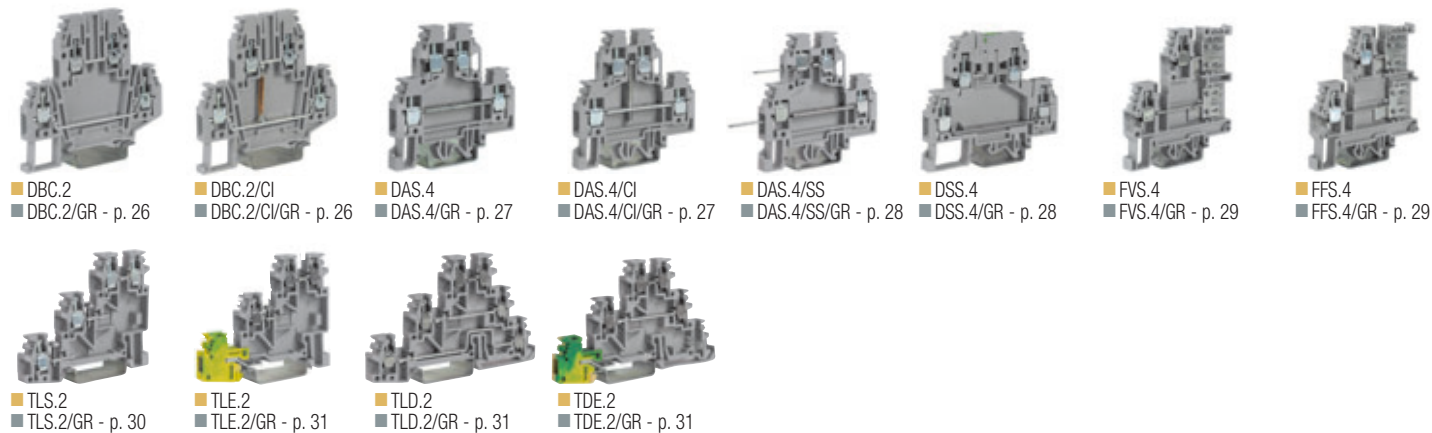
Earth terminal blocks



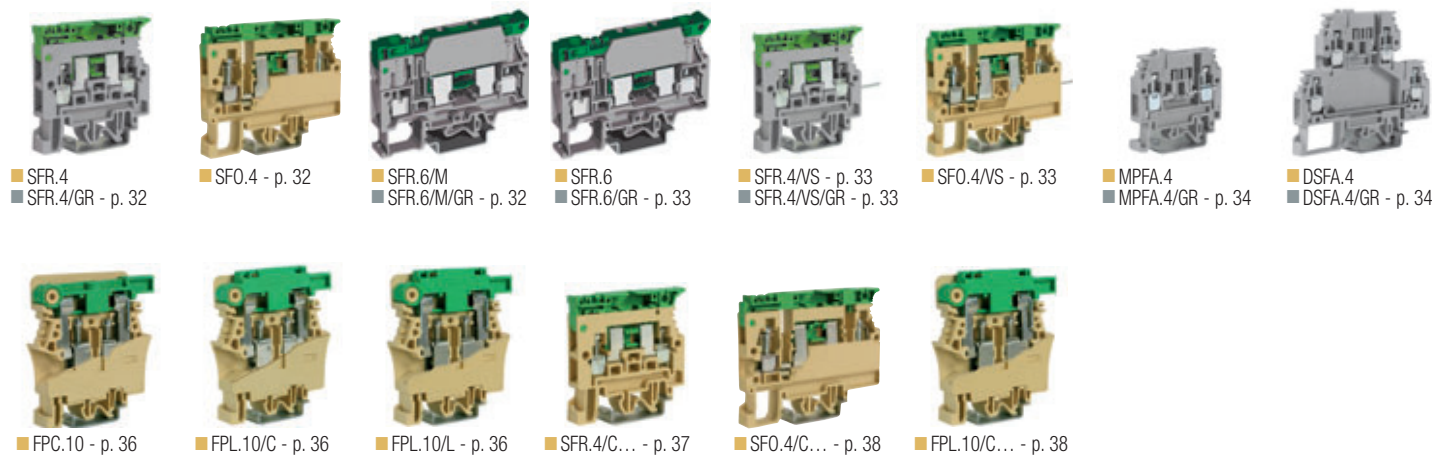
Earth terminal blocks



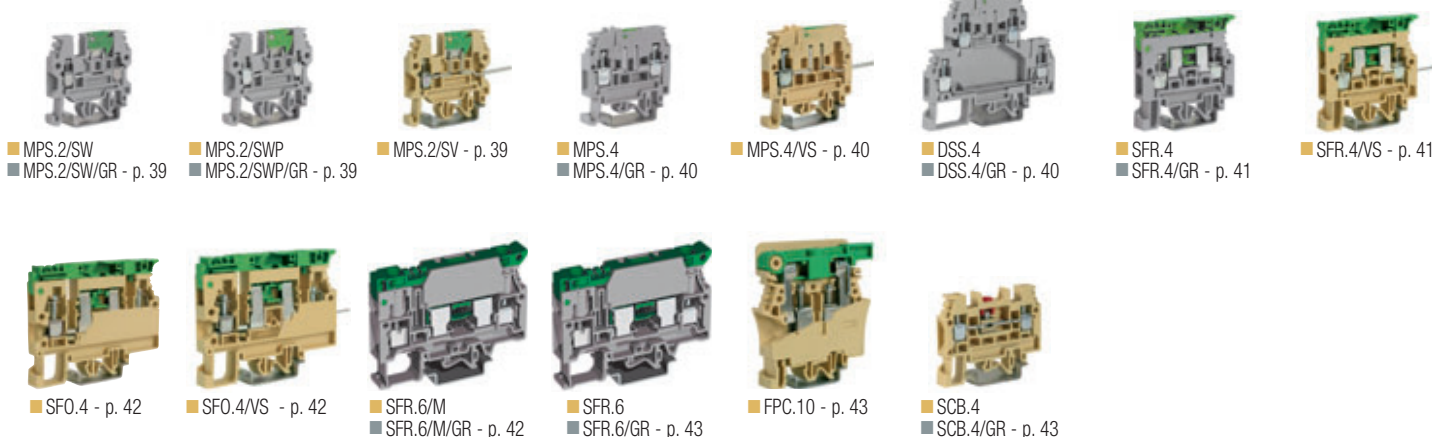
Two and three-level terminal blocks



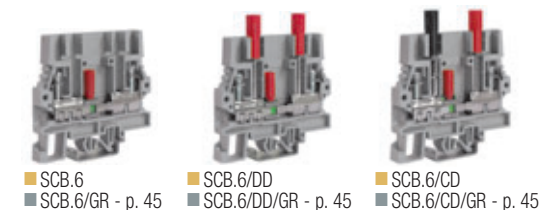
Fuse-holder terminal blocks



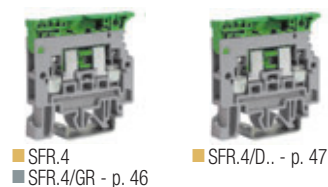
Disconnect terminal blocks



Terminal blocks for test and measurement circuits

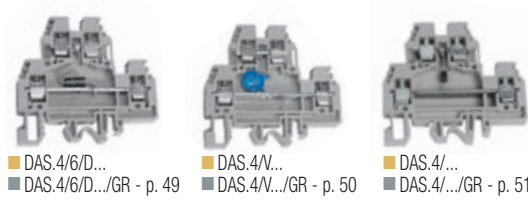


Diode-holder terminal blocks

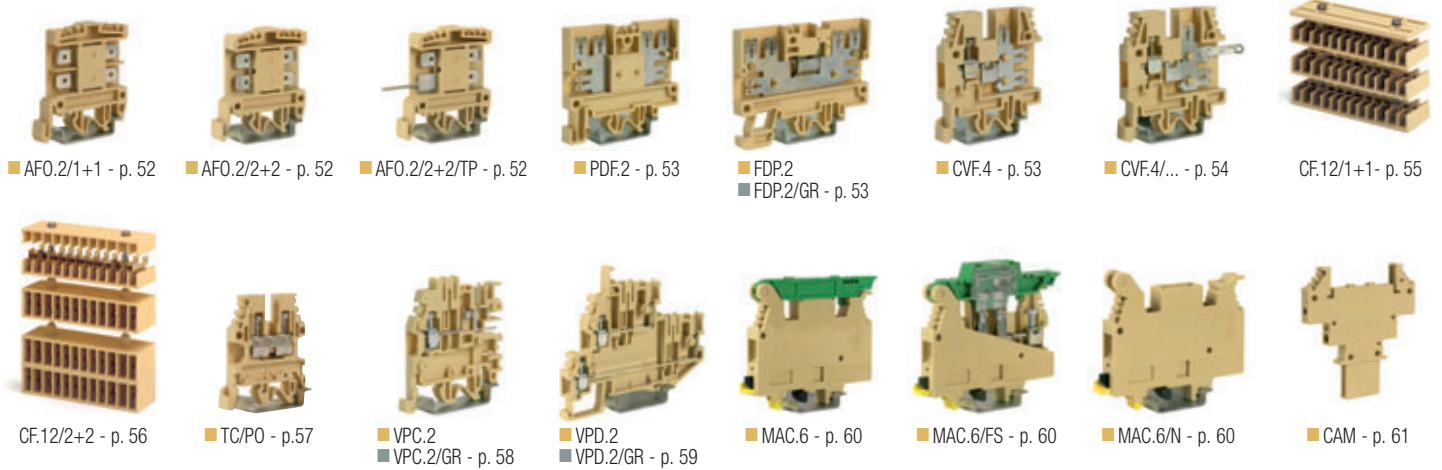


Iconographic index

Terminal blocks with electronic components



Terminal blocks with special connections and for connectors



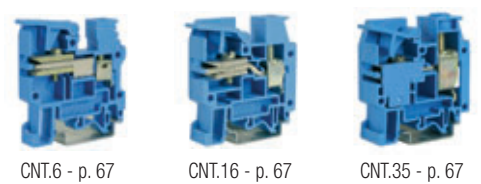
Mini terminal blocks



Modular multi-pole terminal blocks

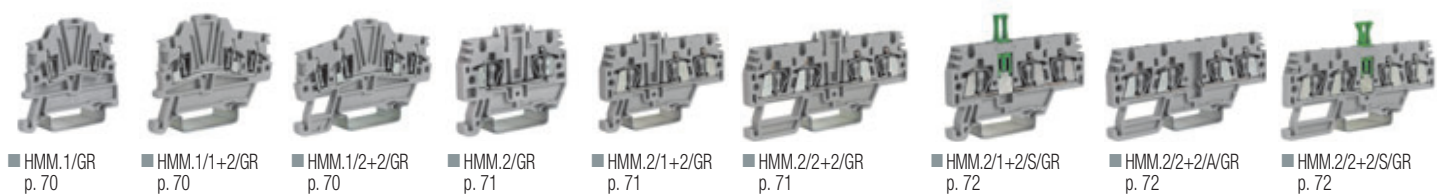


Neutral disconnect terminal blocks



Spring-clamp terminal blocks

Feed-through terminal blocks



Disconnect terminal blocks

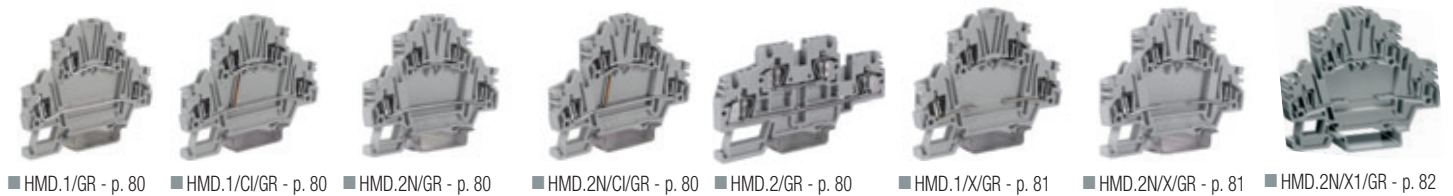
Feed-through terminal blocks



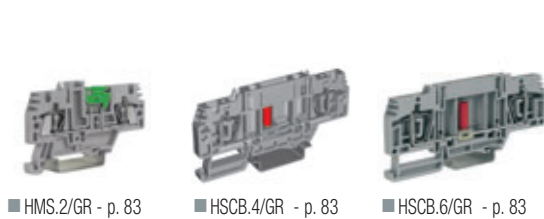
Earth terminal blocks



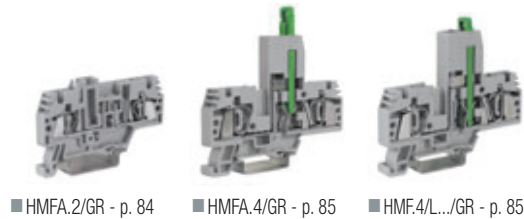
Two and three-level terminal blocks



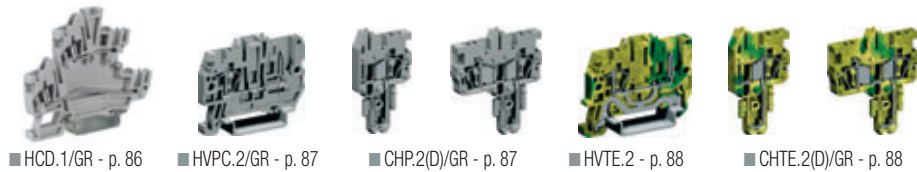
Switchable terminal blocks



Fuse-holder terminal blocks



Terminal blocks for connectors

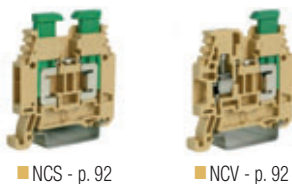


Mini terminal blocks



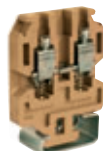
Insulation displacement terminal blocks in polyamide

Feed-through terminal blocks



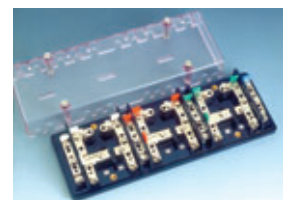
Melamine insulated terminal blocks

from p. 94 to p. 114



Terminal boards for metering panels

from p. 115 to p. 121





• Terminal blocks for electrical boards

polyamide screw clamp, spring-clamp terminal blocks, melamine insulated terminal blocks, terminal boards for metering panels, high current terminal blocks

• Electronic products for electrical boards

power supplies, analog modules, relay modules, signal converters

• Installation products

junction boxes terminals, distribution terminal boards, polyamide 12-pole terminal boards, connection systems for photovoltaic equipments

• Heavy duty connectors



If you wish to receive complete and updated technical documentation on Cabur products, please send a request using the dedicated form that you can download online on the www.cabur.eu website <http://www.cabur.eu/documentations>

or just fill in, and send the form below

PLEASE SEND ME THE COMPREHENSIVE TECHNICAL DOCUMENTATION

Surname _____ Name _____ Function _____

Company Name _____ Field of activity: ☐ Distributor ☐ Installer ☐ Panel builder ☐ Other

Address _____ Town _____ POSTCODE _____

Telephone _____ Fax _____ E-mail _____

Data supplied shall be kept by Cabur Srl and processed on printed forms, confidentially protected, with the sole purpose to allow Cabur, its agents, retailers and partners to deliver commercial information and services. Data contribution is optional. Nevertheless the non-authorization to data processing implies the impossibility of receiving information and commercial bargains. At any moment you may avail yourselves of the rights as prescribed in the Italian decree 196/2203. In order to ask for a copy of the data supplied, obtain its modification or its cancellation from our archives, or to exercise the rights as per article 7 of above mentioned law decree, you may send a written request to: Cabur Srl - Marketing department - Località Isola Grande, 45 - 17041 Altare (SV, Italy). The holder of data processing is: Cabur Srl, Località Isola Grande 45, Altare (SV), Italy.

I agree to my personal data being processed for the a.m. purposes.
Signature _____

PLEASE PHOTOCOPY AND SEND BY FAX AT **+39 019 58 999 280**

Shortly after its foundation, back in 1952, Cabur became a leading manufacturer of electrical panel terminal blocks, by focusing on installers' needs and providing leading edge technical solutions that, in some cases, would become popular in the industry.

In particular, in our product design and manufacturing, we have pioneered a quality focus on raw materials, functionality, reliability over time, and respect for the environment. That is the reason why Cabur was granted Class 1E (Equipment for Nuclear Power Generating Stations) qualification as early as in 1985 and, in addition, the ISO 9001/UNI-EN 29001 (Quality) and ISO 14001 (Environment) certifications, as well as compliance to Atex standards for "Ex e" installations on the most important terminal block lines.



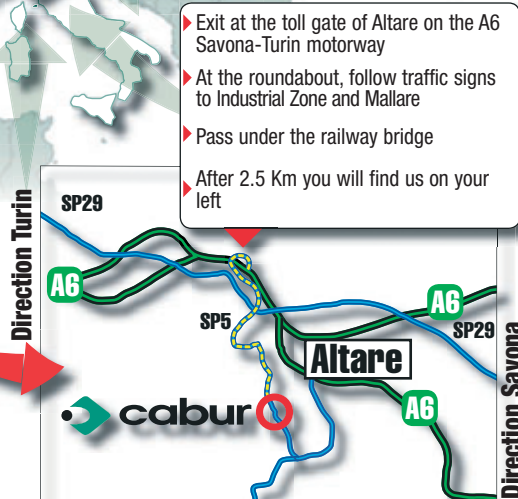
New Headoffices

Following a recent significant growth in company structure, the organization was moved from the historic site in Albissola Marina to a new logistic and manufacturing centre in Altare (SV). Rather than moving abroad, Cabur has opted to invest in Italy, by acquiring a new state-of-the-art 12,000 sqm production site.

By doubling our production surface and increasing our staff with the recruitment of new people, we will be able to rationalise and make our current production processes, logistics, and sales, even more efficient.



Località Isola Grande 45
17041 Altare (SV)
ITALY
Tel. +39 019 58999.1
Fax +39 019 58999280
e-mail: info@cabur.it



Product range

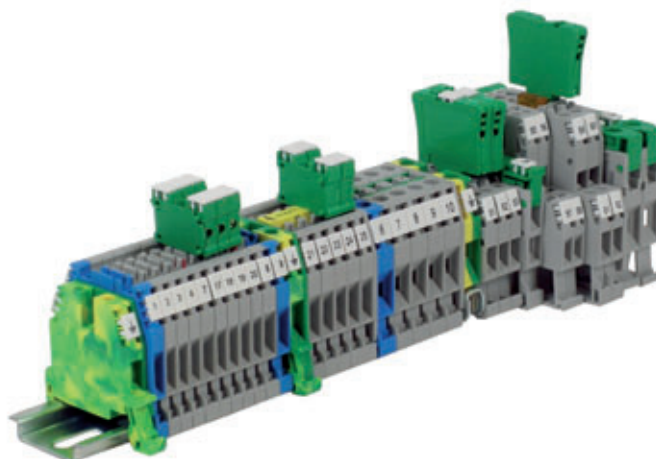
With over 50 years of experience, Cabur develops and produces, by its own designs, a wide range of products for the electrical industry, providing the best in working conditions, in terms of operability and reliability.

Current production of:

- **Terminal blocks for electrical boards**
- **Electronic products for electrical boards**
- **Installation products**

Fully meets users' varied and complex installation needs.

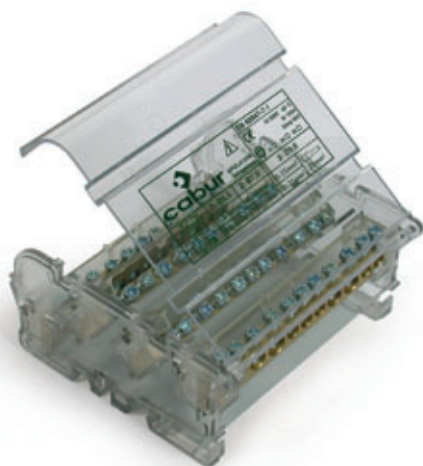
Our varied and diversified production represents the optimal synthesis of Cabur's long experience as partner of Italy's most important Industries and Research Laboratories, combined with foreign activities and collaboration, always with the aim of pinpointing and meeting users' installation needs.



In addition to terminal blocks, Cabur product offering features a full range of electronic products for electric panels for plant and machine automation and process control. These products are designed for an easy deploy and for easy material management, thanks to the use of innovative and leading-edge technology.

Following an agreement with Tyco Electronics, Cabur distributes in the Italian market the HTS **heavy duty connector line**, which enlarges and completes the product range with over 250 items, presenting a series of highly qualified solutions.

HTS was selected as our partner for their strong experience in this field, their reliability and top material and finished product quality.



Highest ...mass produced quality

We guarantee top performance of our contacts and maximum flexibility of connection solutions.

A full range of standard products for automation panels is available at all major Wholesalers. Full support is provided by Cabur sales force both in Italy and in over 30 countries abroad, as well as by our Engineers, in order to provide our clients with the best installation solutions.

www.cabur.eu Web Site

On our web site, our customers and industry operators can always get up-to-date information on new products and sales offers.

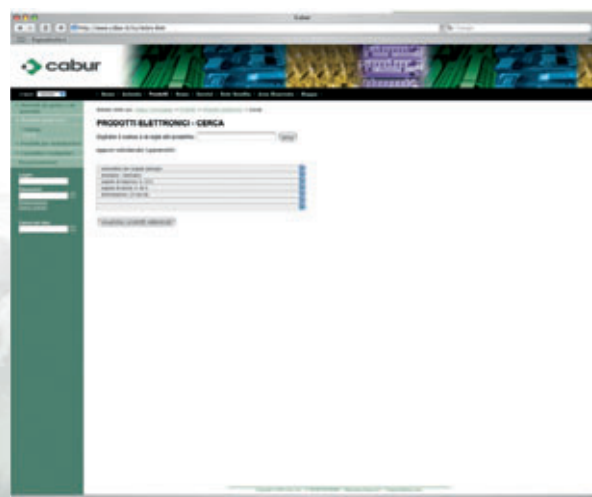
All data sheets of Cabur product range, including those in this Catalogue, are available on our online catalogue featuring advanced user-friendly search functions.

Moreover, on our web site you can:

- ask our specialists for technical information and application advice
- contact our sales staff and ask them for estimates
- download manuals and other technical literature
- get access to quality and compliance certificates
- look at our latest sales literature
- ask for free catalogues and brochures
- ... and much more.

By this newsletter, Cabur communicates also via e-mail its main innovations and commercial activities to all those who apply for it through the registration form.

In conclusion, Cabur web site (**www.cabur.eu**) is the ideal tool to get real time information and contacts with our company.



www.cabur.eu

Real time information on our company,
products, and certifications

In order to be promptly updated about the availability of new technical and commercial documentation, please register on the site and join the newsletter service.

Quality and Environment

ISO 9001 CSQ Certification

Until recently, Cabur "Quality" was simply recognised through the appreciation of its customers. This has allowed the company to become a leader in Italy in the design, production and distribution of "terminal blocks for electrical panels" and, more recently, to extend its products offering to the segment of "electronic products" with recognised reliability levels in both Italian and foreign markets. Obviously, this cannot be the result of improvisation, but of a constant organisation process begun back in 1985 with the definition and implementation of a Quality Assurance Programme based on ANSI N 45.2 (referred to the particularly severe nuclear environment) that has involved the entire structure of the Company and has made each function and worker responsible for quality standards. Since 1995, CSQ (international institute for the certification of business quality systems) has certified the Quality system designed and adopted by Cabur. The Quality system refers to the most complete and severe standard amongst UNI EN ISO 9000 series defining the requirements for Total Quality in Companies, that is ISO 9001, including the activities of Product Design, Development, Manufacturing and Customer Service. After the issue of the new Edition of the Standard (ISO 9001.2000), the whole Quality System has been revised and renewed to be fully compliant with the new regulations. This compliance was confirmed by CSQ with the new Certificate issued in 2003.



UNI EN-ISO 9001



**THE QUALITY OF OUR PRODUCTS IS JUDGED BY OUR CUSTOMERS.
OUR QUALITY ASSURANCE SYSTEM IS CERTIFIED BY CSQ.**

ISO 14001 CSQ Certification



UNI EN-ISO 14001

In its continuous improvement process, CABUR has adopted an environmental management system since 2001, obtaining the international CSQ UNI EN 14001 recognition.

This goal represents a guarantee given of the respect Cabur has for the surrounding environment as well as a demonstration of the adoption of environmental safeguard rules and, additionally, a pledge for constant ecological improvement.

This kind of Certification is still quite uncommon in Italy; Cabur has nevertheless been able to achieve and add it to its corporate philosophy, which is always aimed at the anticipation, rather than to the passive adaptation, of those needs that are becoming more and more urgent and global. Environment is undoubtedly one

of these issues and, anticipating many other companies, not only in Italy, Cabur firmly decided to adopt a system that monitors and prevents environmental risk, inherent to every stage of its manufacturing process.

Operational procedures and other paper documentation were unified and harmonised with the running Quality Assurance System and the manual, becoming of both Quality and Environmental Management, is now a complete reference point. The Quality Assurance and Environmental Management Department is at your complete disposal to provide any further information and/or clarification on the entire Quality / Environment System and Customer Service. Cabur can provide you with a copy of both CSQ and EQNET certificates, or with a copy of the Quality and Environmental Management manual.



Standards and Directives

The 2002/95/CE Directive



The 2002/95/CE Directive, known as RoHS, sets limits to the use of specific dangerous materials in electric and electronic devices.

The Directive applies exclusively to devices included in the following categories, as listed in attachment 1A of 2002/96/EC Directive, also known as WEEE, excluding categories 8 and 9.

1. Large appliances excluding fixed ones
2. Small appliances
3. IT and telecommunication appliances
4. Consumers' appliances
5. Lighting appliances
6. Electric and electronic tools, excluding large fixed industrial tools
7. Toys and devices for hobbies and sports
10. Vending machines

Cabur Products' compliance to RoHS Directive

Cabur products are generally deployed in electric panels for electric distribution and for industrial automation, which are excluded from the application field of the RoHS Directive, as components of "fixed industrial tools" and of "fixed installations".

Nevertheless, in consideration of the needs of those Customers deploying Cabur products into devices and appliances that need to be RoHS compliant, we have decided to review our production according to RoHS Directive requirements.

From the beginning of the year we have been disposing of non-compliant items, not only to reduce dangerous substances but to eliminate them completely from components in our production, with a Zero Tolerance mindset.

The small amount of our products which is currently non-RoHS compliant consists of dated stocked parts or of those few items that cannot be produced by different materials or process yet. In any case, as mentioned above, these items are deployed in product categories that are not listed in the RoHS Directive application field.

Our staff is available for further details both on our products and on the application of the RoHS Directive.

For more information, please click on www.cabur.eu

CE Marking



All products in this catalogue meet all EU applicable standards when the catalogue was printed. Therefore, all required CE markings are placed on the products and on all product related documents.

Do not hesitate to contact our staff for any further information and/or explanations on Reference Standards. Cabur Customer Service can provide you with certificates of compliance to Reference Standards, type approvals, and CE markings.



Product Quality Assurance Notification according to ATEX 94/9/EC Directive

The procedure for renewal of the Product Quality Assurance Notification, granted to our Company, in 2001, as a manufacturer of equipment intended for use in potentially explosive atmospheres (increased safety measures) and according to the requirements given by **"ATEX" Directive 94/9/EC**, has been completed with a positive outcome.

The Product Quality Assurance Notification has been the most demanding stage in the process of Ex e Certificates conversion, which have been issued on the basis of the requirements given by elder European Directives, into updated documents.

The Notification procedure has included a first stage, characterised by the documentation analysis (Quality/Environment Manual + ATEX Quality Plan + Operational procedures), following which a preliminary visit took place (carried out at the Notifying Body premises).

Once the first step was successfully completed, the second (namely the Company Notification) took part and was carried out with the Certification visit.



ATEX
Product
Quality
Assurance
Notification

The relevant Notification number, granted by the Notifying Body is the following:

CESI 02 ATEX 028 Q

Our Quality and Environmental Management System today is consequently perfectly updated in order to fulfil also **ATEX** Directive. As in the occasion of the Environmental Management Certification, the ATEX Notification represents a significant goal achieved in the **continual improvement** path.

Terminal blocks approved in conformity to ATEX 94/9/CE Directive

"increased safety" (**Ex e**) terminal blocks are manufactured according to EN 60079-0 / EN 60079-7 / EN 61241-0 Stds. and bear, on the insulating body, the name of the product and the electrical characteristics.

Marking: **0722**  **I M2 / II 2 G D**

0722 = number of the Notifying Body (CESI) for the ATEX surveillance

I M2 = group **I** (mines), category **M2**

II 2 G D = group **II** (surface), category **2 G** (gas)
D (dust)

Ex e = type of protection

V = nominal voltage

The marking  indicates the Conformity to 73/23 Directive (Low Voltage).

Terminal blocks must be installed in Ex e enclosures; the enclosure / terminal blocks assembly must be subjected to separate certification.

The currents allowed for each terminal block, when used in potentially explosive environments (Ex e), are listed in the separated Certificate, granted to the assembly formed by terminal blocks + enclosure.

Rail assembly composition in potentially explosive (Ex e) environments

Each terminal block can be connected to contiguous elements by means of fixed cross-connections which are made unloosening by means of an elastic washer located under the head of the screw. For fixed cross-connections it is necessary to keep well separated the different phases, by interposing a coloured partition, having a thickness of 1.5 mm, between adjoining cross connections and between cross connections and adjoining terminal blocks. The multiple cross connection, by means of the commoning bar, can be connected to different terminal blocks, provided that they are adjoining one to another.

Screw-clamp terminal blocks

Polyamide insulated

Feed-through and high-current terminal blocks

CBC series.....	pages 2-4
CBR.2	page 5
GPA series.....	pages 6-7
TEC series	pages 8-9
CBD series.....	pages 10-15
GPM series	pages 16-19
ACB series.....	page 20
MBL series.....	pages 21-22

Earth terminal blocks

TEO series	page 23
CBE.2	page 23
TED.4	page 24
TE/O - TE/D series	pages 24-25
TTN.35	page 25

Two and three-level terminal blocks

DBC.2 - DBC.2/Cl.	page 26
DAS.4 - DAS.4/Cl.	page 27
DAS.4/SS - DSS.4	page 28
FVS.4 - FFS.4	page 29
TLS.2	page 30
TLE.2 - TLD.2 - TDE.2	page 31

Fuse-holder terminal blocks

SFR.4 - SFO.4 - SFR.6/M	page 32
SFR.6 - SFR.4/VS - SFO.4/VS	page 33
MPFA.4 - DSFA.4	page 34
CPF/5 component-holder cartridge	page 35
FPC.10 - FPL.10/C - FPL.10/L	page 36
SFR.4/C.....	page 37
SFO.4/C...- FPL.10/C...	page 38

Disconnect terminal blocks

MPS.2/SW - MPS.2/SWP - MPS.2/SV	page 39
MPS.4 - MPS.4/VS - DSS.4	page 40
SFR.4 - SFR.4/VS	page 41
SFO.4 - SFO.4/VS - SFR.6/M	page 42
SFR.6 - FPC.10 - SCB.4	page 43

Terminal blocks for test and measurement circuits

SCB.6 series	page 45
--------------------	---------

Diode-holder terminal blocks

SFR.4	page 46
SFR.4/D.....	page 47

Terminal blocks with electronic components

DAS.4/D... series.....	pages 48-49
DAS.4/V... series.....	page 50
DAS.4/... series.....	page 51

Terminal blocks with special connections and for connectors

AFO.2/1+1 - AFO.2/2+2 - AFO.2/2+2/TP	page 52
PDF.2 - FDP.2 - CVF.4	page 53
CVF.4/.....	page 54
CF.12/1+1	page 55
CF.12/2+2	page 56
TC/PO (for thermocouple circuits)	page 57
VPC.2	page 58
VPD.2	page 59
MAC - CAM system	pages 60-61

Mini-terminal blocks

RN.1 - RN.2 - RP.4	page 62
RFI.2 - TR.2 - TR.4	page 63

Multi-pole modular terminal boards

BPL - TPL series	pages 64-66
------------------------	-------------

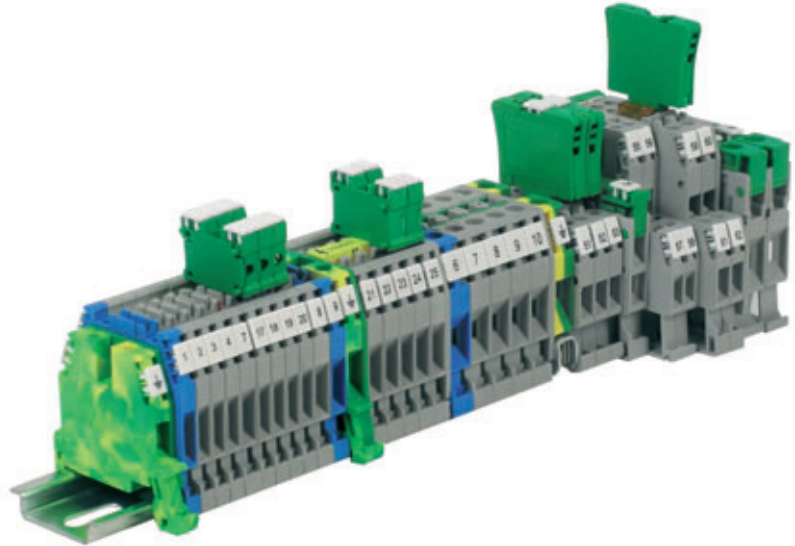
Neutral disconnect terminal blocks

CNT series	page 67
------------------	---------

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours



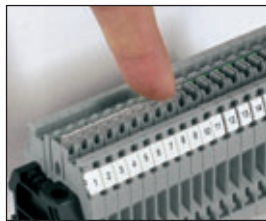
The design accuracy allows that terminal blocks having different cross-sections can nevertheless guarantee visual uniformity once the rail assembly is made.

Easy Bridge System

The cross-connection can be supplied in "standard" sizes, for 2-3-5-10 poles, or alternatively in lengths of 250 mm.



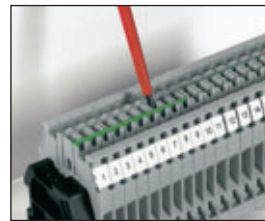
1



2



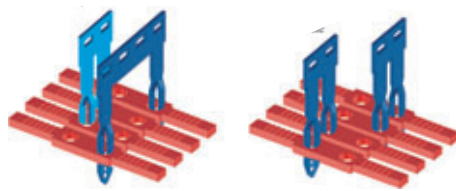
3



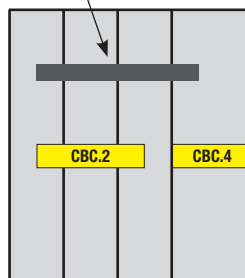
4



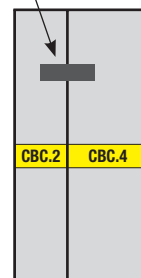
5



Multi-pole CBC.2 cross-connection



2 pole CBC.2 cross-connection



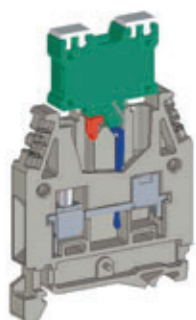
1-2 After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.

3-4 After having mounted the cross-connection, the connected poles can be outlined and detected by placing the PTC/SP green strip. This strip is supplied in a standard length of 100 mm and it can be easily cut to the appropriate length with the aid of a cutter.

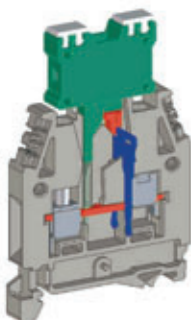
5 To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.

The "Easy Bridge" connection system guarantees the most diversified transversal connecting possibilities, even staggered.

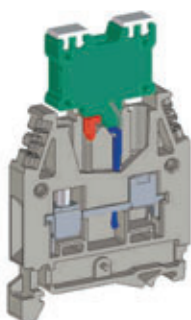
The jumpers can be used to connect in parallel terminal blocks having equal cross-section and the first of the adjoining group of terminal blocks of different size.



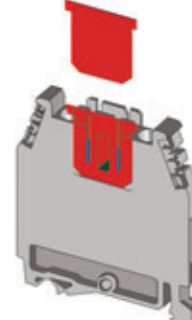
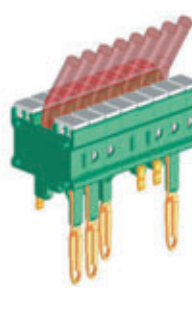
SDC mounted



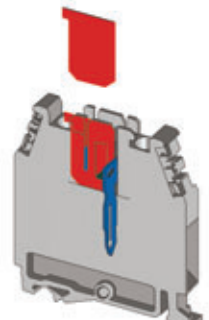
SDC/P mounted



SDC - SDC/P with conductors



DFM/900



DFM/800

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours

(*): 24 A factory wiring only
(**): 32 A factory wiring only

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (*)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)				
CBC.2	PTC/2	630	630	500	500	500
CBC.4	PTC/4	630	500	500	500	500
CBC.6	PTC/6	630	630	630	630	630

CBC.2/GR	
Cat. No.	CBC02GR
CBC.2	
Cat. No.	CBC02
CBC.2 (Ex)i	
Cat. No.	CBI02
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
1000 V / 24 A / A3	
600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	
27 A (2,5 mm²) / 37 A (4 mm²)	
-	
12 KV / 3	
9	
0,4 / 0,8	
52 / 44 / 5	
60 / 44 / 5	



ATEX Ex e and IEC Ex pending

CBC.4/GR	
Cat. No.	CBC04GR
CBC.4	
Cat. No.	CBC04
CBC.4 (Ex)i	
Cat. No.	CBI04
feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
1000 V / 32 A / A4	
600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	
38 A (4 mm²) / 45 A (6 mm²)	
-	
12 KV / 3	
10	
0,5 / 1,2	
52 / 44 / 6	
60 / 44 / 6	



ATEX Ex e and IEC Ex pending

CBC.6/GR	
Cat. No.	CBC06GR
CBC.6	
Cat. No.	CBC06
CBC.6 (Ex)i	
Cat. No.	CBI06
feed-through	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
1000 V / 41 A / A5	
600 V / 50 A / 20-8 AWG / 1,7 Nm	
53 A (6 mm²)	
-	
12 KV / 3	
10	
0,8 / 1,4	
52 / 44 / 8	
60 / 44 / 8	



ATEX Ex e and IEC Ex pending

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT	CB061
CBC.2-10/PT (Ex)i	CBI061
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
PTC/SP	PTC0990
-	
-	
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	
SDC/5 - SDC/5P	DC005-DC05P
SDC/POL	DCPOL
-	
SNZ/508	SN009
PRP/7/G (100 mm)	PRP070G
-	
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT	CB061
CBC.2-10/PT (Ex)i	CBI061
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (50 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	
SDC/6 - SDC/6P	DC006-DC06P
SDC/POL	DCPOL
-	
SNZ/60	SN007
PRP/7/G (100 mm)	PRP070G
-	
-	
CNU/8 - CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT	CB061
CBC.2-10/PT (Ex)i	CBI061
PTC/6/02 poles	PTC0602
PTC/6/03 poles	PTC0603
PTC/6/05 poles	PTC0605
PTC/6/10 poles	PTC0610
PTC/6/00 (50 poles)	PTC0600
41	
PTC/SP	PTC0990
-	
-	
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	
-	
-	
SNZ/8	SN004
PRP/7/G (100 mm)	PRP070G
-	
-	
CNU/8 - CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours

(*) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC 60947-7-1 Std.

The /GR tag indicates the grey colour version.



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)			
CBC.10	PTC/10	800	630	630	800

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (*)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

CBC.10/GR	Cat. No. CBC10GR
CBC.10	Cat. No. CBC10
CBC.10 (Ex)i	Cat. No. CBI10
feed-through	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
1000 V / 57 A / B6	
600 V / 65 A / 14-6 AWG / 1,9 Nm	
70 A (10 mm ²) / 85 A (16 mm ²)	
-	
12 kV / 3	
12	
1,2 / 1,9	
52 / 44 / 10	
60 / 44 / 10	

CBC.16/GR	Cat. No. CBC16GR
CBC.16	Cat. No. CBC16
CBC.16 (Ex)i	Cat. No. CBI16
feed-through	
25	
1,5 ÷ 25	
1,5 ÷ 25	
16 - WP160/22	
1000 V / 101 A (25 mm ²) / B7	
600 V / 100 A / 16-3 AWG / 2,8 Nm	
114 A (25 mm ²)	
-	
12 kV / 3	
15	
2 / 3	
56 / 47 / 12	
64 / 47 / 12	

CBC.35/GR	Cat. No. CBC35GR
CBC.35	Cat. No. CBC35
CBC.35 (Ex)i	Cat. No. CBI35
feed-through	
50	
2,5 ÷ 50	
2,5 ÷ 50	
35 - WP350/30	
1000 V / 150 A (50 mm ²) / B9	
600 V / 125 A / 20-1 AWG / 8,47 Nm	
160 A (50 mm ²)	
-	
12 kV / 3	
18	
2,5 / 5	
63 / 56 / 16	
71 / 56 / 16	

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (*) : intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT	CB061
CBC.2-10/PT (Ex)i	CBI061
PTC/10/02 poles (*)	PTC1002
PTC/10/03 poles	PTC1003
PTC/10/05 poles	PTC1005
PTC/10/10 poles	PTC1010
PTC/10/00 (25 poles)	PTC1000
57	
PTC/SP	PTC0990
-	
-	
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	
-	
-	
SNZ/10	SN005
PRP/7/G (100 mm)	PRP070G
-	
-	
CNU/8 - CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.16/PT/GR	CB161GR
CBC.16/PT	CB161
CBC.16/PT (Ex)i	CBI161
POF/53	POF53
-	
76	
-	
POS/53	POS53
PMP/05	PMP05
CPM/53	CPM53
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
-	
-	
TUM/16 on 3 and 4	TUM16
-	
PRP/7	PRP07
CNU/8 - CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CBC.35/PT/GR	CB351GR
CBC.35/PT	CB351
CBC.35/PT (Ex)i	CBI351
POF/06	POF06
-	
125	
-	
-	
PMP/06	PMP06
CPM/06	CPM06
DFU/5	DU05..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
-	
-	
TUM/06 on 3 and 4	TUM06
-	
PRP/8	PRP08
CNU/8 - CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CBR Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

CBR.2/GR	
Cat. No.	CR110GR
CBR.2	
Cat. No.	CR110
feed-through (2 inputs / 2 outputs)	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 15 A / 20-14 AWG / 0,6 Nm	
-	
8 kV / 3	
8 (upper) / 14,5 (lower)	
0,4 / 0,8	
52 / 43 / 5	
60 / 43 / 5	
56 / 43 / 5	



ACCESSORIES

End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
CBR/PT/GR	CR111GR
CBR/PT	CR111
PM/25/2 poles	PM252
PM/25/3 poles	PM253
PM/25/5 poles	PM255
PM/25/10 poles	PM250
24	
-	
PMP/25	PMP25
CPM/25	CPM25
DFU/4	DU04..
-	
PSD/K	PD011
SDD/1	DD001
-	
SNZ/508	SN009
-	
PRP/5	PRP05
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
BT/DIN/PO	BT001
PR/DIN/AC for PR/DIN and PR/3	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections (GPA.70)
- standard version available in grey RAL 7042 and beige RAL 1001 colours; panel-mount version available in beige RAL 1001 colour

The /GR tag indicates the grey colour version.



version suited to be used
in (Ex)i "intrinsic safety" circuits
(RAL 5015 blue colour)
GPA.70 (Ex)i Cat. No. GA410
GPA.95 (Ex)i Cat. No. GA110

grey version	
beige version	
grey panel-mount version	
beige panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value - bar (test / recommended)	(Nm)
tightening torque value - cable (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
height / width (fixing distance between centres) / thickness (panel mount)	

GPA.70/GR	
	Cat. No. GA400GR
GPA.70	
	Cat. No. GA400
GPA.70/FIX	
	Cat. No. GF400
feed-through	70
	10 ÷ 95
	10 ÷ 95
	-
	1000 V / 192 A / B11
	1000 V / 215 A / 8 AWG str. ÷ 4/0 AWG
	str. / 79,5 lb.in
	12 KV / 3
	25
	-
	6 / 9 (Allen screw, 4 mm wrench)
	70 / 91 / 20,5
	78 / 91 / 20,5
	75 / 91 / 20,5
	75 / 102 (88) / 20,5

GPA.95/GR	
	Cat. No. GA100GR
GPA.95	
	Cat. No. GA100
GPA.95/FIX	
	Cat. No. GF100
feed-through	95
	10 ÷ 95
	10 ÷ 120
	-
	1000 V / 232 A / B12
	1000 V / 232 A / 2 AWG sol./str. ÷ 250
	MCM str. / 90 lb.in.
	12 KV / 3
	30
	-
	6 / 9 (Allen screw, 4 mm wrench)
	87 / 98 / 26
	95 / 98 / 26
	91 / 98 / 26
	91 / 111 (97) / 26



APPROVALS

ACCESSORIES	
End sections	grey beige
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

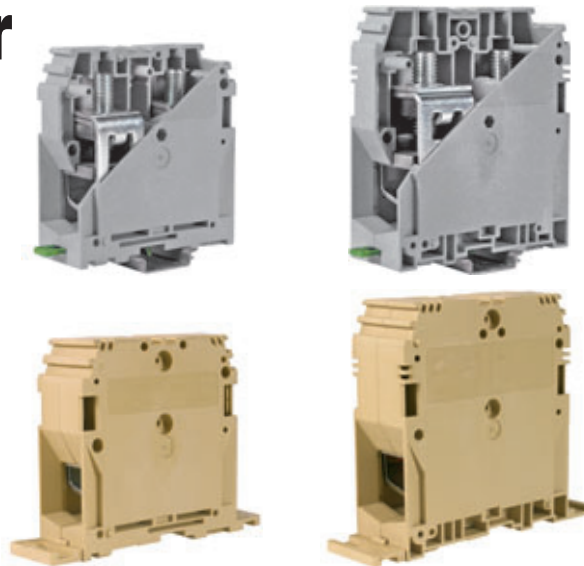
Type	Cat. No.
-	-
POF/70 (2 poles)	POF70
192	
PMP/08	PMP08
CPM/70	CPM70
DF/GPA/70	DU070
-	-
PSD/C	PD003
SDD/2	DD002
TIM	TIM02
PRP/08	PRP08
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
TIM	TIM02
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



grey version	
beige version	
grey panel-mount version	
beige panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value - bar (test / recommended)	(Nm)
tightening torque value - cable (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
height / width (fixing distance between centres) / thickness (panel mount)	

GPA.150/GR	
	Cat. No. GA200GR
GPA.150	
	Cat. No. GA200
GPA.150/FIX	
	Cat. No. GF200
feed-through	150
50 ÷ 150	
50 ÷ 185	
-	
1000 V / 309 A / B14	
1000 V / 309 A / 1/0 AWG str ÷ 350	
MCM str. / 142 lb.in	
12 KV / 3	
35	
-	
10 / 15 (Allen screw, 5 mm wrench)	
99 / 108 / 31	
106 / 108 / 31	
103 / 108 / 31	
94 / 122 (106) / 31	

GPA.240/GR	
	Cat. No. GA300GR
GPA.240	
	Cat. No. GA300
GPA.240/FIX	
	Cat. No. GF300
feed-through	240
95 ÷ 240	
50 ÷ 300	
-	
1000 V / 415 A / B16	
1000 V / 415 A / 3/0 AWG str. ÷ 600	
MCM str. / 300 lb.in.	
12 KV / 3	
40	
-	
14 / 21 (Allen screw, 6 mm wrench)	
120 / 119 / 37	
128 / 119 / 37	
124 / 119 / 37	
115 / 134 (118) / 37	



APPROVALS

ACCESSORIES	
End sections	grey beige
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
TIM	TIM02
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
TIM	TIM02
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail	TEC.6/O	TEC.10/O	TEC.16/O
	Cat. No. T0120	Cat. No. T0510	Cat. No. T0220
version to be mounted onto PR/DIN rail	TEC.6/D	TEC.10/D	TEC.16/D
	Cat. No. TE120	Cat. No. TE510	Cat. No. TE220
TECHNICAL CHARACTERISTICS			
function / type	earth terminal block	earth terminal block	earth terminal block
rated cross-section (mm²)	6	10	16
connecting capacity			
flexible (mm²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 41 A / A5	- / 57 A / B6	- / 76 A / B7
rated voltage / rated current / AWG	UL		
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 kV / 3	12 kV / 3	12 kV / 3
insulation stripping length (mm)	10	12	18
tightening torque value (test / recommended) (Nm)	0,8 / 1,4	1,2 / 1,9	-
height / width / thickness (mm)	52 / 44 / 8	52 / 44 / 10	56 / 47 / 12
height / width / thickness (mm)	60 / 44 / 8	60 / 44 / 10	64 / 47 / 12
height / width / thickness (mm)	53 / 44 / 8	53 / 44 / 10	57 / 47 / 12

APPROVALS

KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	-		-		-	
Marking tag	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
	CSC	CS...	CSC	CS...	CSC	CS...
Numbering strip	SNZ/8	SN004	SNZ/10	SH005	-	
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

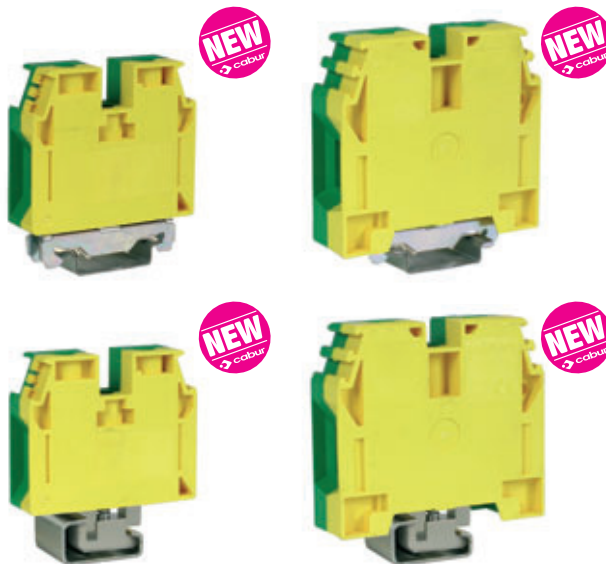
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail	Steel	10	1,2	-
IEC 60715/TH 15 - 5,5	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail	Steel	35	4,2	-
IEC 60715/G32	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail	Steel	16	1,92	-
IEC 60715/TH 35 - 7,5	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail	Steel	50	6	-
IEC 60715/TH 35 - 15	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail	TEC.35/0	TEC.70/0
	Cat. No. T0320	Cat. No. T0810
version to be mounted onto PR/DIN rail	TEC.35/D	TEC.70/D
	Cat. No. TE320	Cat. No. TE820
TECHNICAL CHARACTERISTICS		
function / type	earth terminal block	earth terminal block
rated cross-section (mm²)	35	70
connecting capacity		
flexible (mm²)	2,5 ÷ 50	10 ÷ 95
rigid (mm²)	2,5 ÷ 50	10 ÷ 95
max. flexible with ferrule (mm²)-ferrule type	-	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 125 A / B9	- / 192 A / B11
rated voltage / rated current / AWG	-	-
(Ex e) rated voltage (V)	-	-
rated impulse withstand voltage / pollution degree	12 kV / 3	12 kV / 3
insulation stripping length (mm)	18	25
tightening torque value (test / recommended) (Nm)	2,5 / 5	6 / 9 (vite cava esag. chiave 4 mm)
height / width / thickness TH/35 7,5 mm	63 / 56 / 16	74 / 70 / 20,5
height / width / thickness TH/35 15 mm	71 / 56 / 16	82 / 70 / 20,5
height / width / thickness G32	64 / 56 / 16	75 / 70 / 20,5

APPROVALS

KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections	-	-	-	-
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...
	CSC	CS...	CSC	CS...
Numbering strip	SNZ/8	SN004	SNZ/10	SH005
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/3/AS same with slots	PR004	PR/3/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

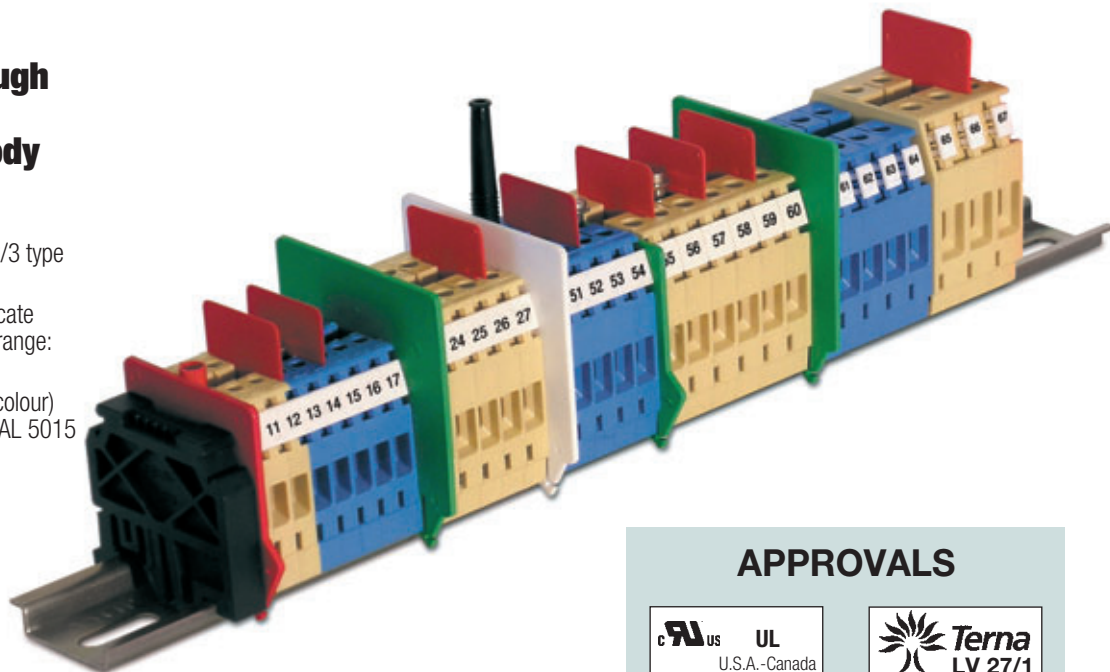
MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

CBD Series

Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U Ex e**  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



The CBD Series consists of eight sizes, featuring:

- reduced overall dimension
- high connecting capacity
- superior effective current carrying capacity, with respect to the prescribed reference values
- very low contact resistance of the resulting connection
- materials of excellent quality and, consequently, maximum reliability throughout time
- very practical usage

Cabur has always designated every product through a type reference, consisting of letters (usually 3) and a number, with an interposing full-stop.

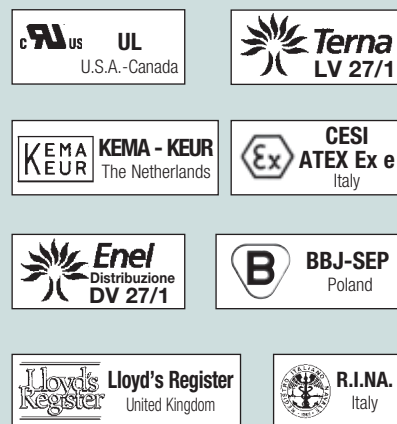
With this number the **rated cross-section** of the terminal block itself has always been defined; this value, as the reference Standard states *"...is a value of connectable conductor cross-section, stated by the manufacturer, and to which certain thermal, mechanical and electrical requirements are referred"*.

Nevertheless, the application field of the terminal block is much wider and is defined by its **connecting capacity**, in other words the range of conductor sizes, both rigid and flexible, minimum and maximum, that a terminal block can connect, fully respecting all the parameters given by the reference standards.

In the following table, in fact, the "usual" type reference of every terminal block has been integrated with the addition, after the existing digits which retain the indication of the rated cross-section, of another numerical value (written in smaller characters, in red and separated by the digits indicating the rated cross-section by a /). This second group of digits represents, in mm², the **maximum size of the flexible conductor that can effectively be connected to the terminal block**. If rigid conductors (solid or stranded) are to be connected, reference must be always made to the indications given by the relevant technical characteristics of each product and under "connecting capacity"; in most cases in fact the size of the maximum rigid conductor is even greater.

By stating the wide connecting capacity feature, with the occasion some sizes among the CBD Series have been reconsidered; firmly maintaining the eight rated cross-sections, the existing types CBD.25 and CBD.35 have been reviewed and, after the actions and the verifications which have taken place, re-evaluated as **CBD.35 e CBD.50**; the latter rated cross-section up to this point, has never considered within Cabur product range, but has nevertheless wide use.

APPROVALS



Type	Rated cross section (mm ²)	Flexible conductor (mm ²)		Rigid conductor (mm ²)		Gauge	Max. current (A)
		min.	max.	min.	max.		
CBD.2/4	2,5	0,5	4	0,5	4	A3	29
CBD.4/6	4	0,5	6	0,5	6	A4	40
CBD.6/10	6	0,5	10	0,5	10	A5	58
CBD.10/16	10	0,5	16	0,5	16	B6	77
CBD.16/25	16	0,5	25	0,5	25	B7	104
CBD.35/35	35	0,5	35	0,5	50	B8	147
CBD.50/50	50	1,5	50	1,0	70	B9	180
CBD.70/95	70	1,5	95	1,0	95	B11	250

type of connection:

by means of screws, on both sides, indirect and anti-loosening. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by means of screws ensures the best mechanical performance and efficiency of the current flow. It is suitable for the connection, with or without preparation of conductors of all cross-sections. The tightening and un-tightening operations are extremely simple and they can be carried out with tools, such as screwdrivers, which are always at hand. It is however important to use an appropriately sized screwdriver in order to avoid the damaging either of the screw itself or the insulating body.

conducting body:

of the tube type **entirely of a copper and zinc alloy and treated with nickel-plating**; the characteristics of the material used and the manufacturing methods are such as to avoid the phenomenon of "seasoning cracking".

tightening reliability:

special orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates, ensure under all conditions the perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly effective by the spring function of the pressure plate, which in a certain way and under the pushing action of the screws, tends to flex; in this way a reaction to the head of the screw itself, is exerted, resisting unscrewing, even under dynamic stress (vibrations).

ease of insertion:

insertion of the conductor into the terminal block is made easy by:

- sloping entrance planes on the insulating body
- the rounded edges of the pressure plate
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

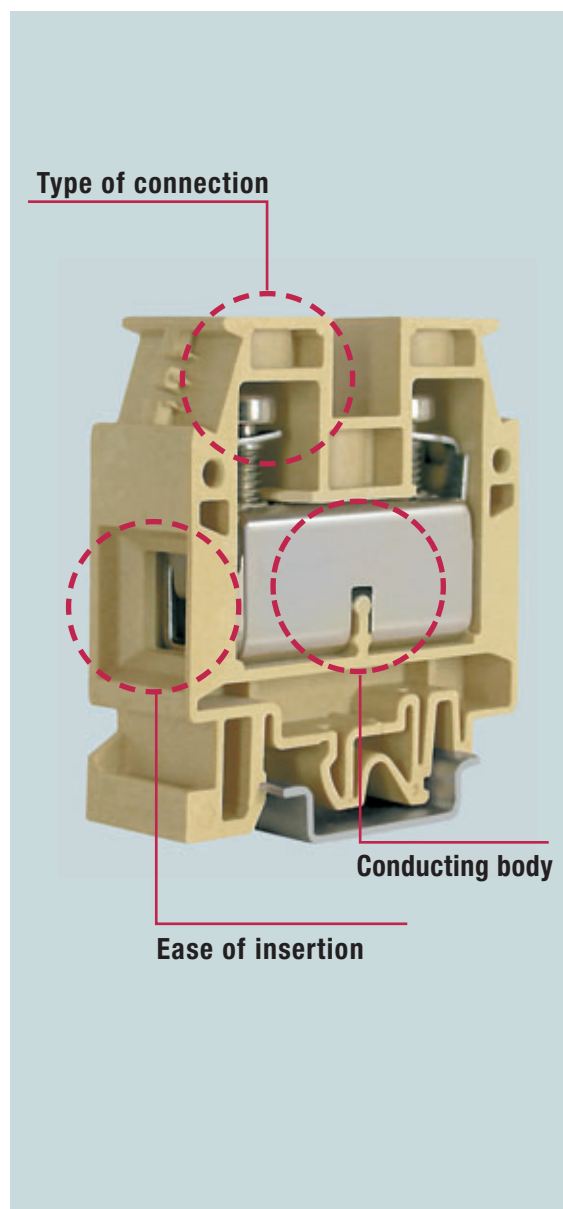
other functions:

besides their main as feed-through function, CBD terminal blocks are designed in such a way as to carry out other functions. In fact, by means of a prearranged threaded hole on the upper side of the conducting body it is possible:

- to create a cross-connection (either permanent or switchable) between two adjoining terminal blocks
- to create a multiple common bar connection between several adjoining terminal blocks
- to insert a socket for a test plug
- to insert a composable test plug for multiple signal shunting.

marking: all CBD terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric marking up to a maximum of 6 characters (an ADR/6 adapter though is required if more than 4 characters are to be inserted on each side).

mounting: CBD series polyamide terminal blocks are designed to be mounted on two types of rail, "G32" or "TH/35" (acc. to the IEC 60715), with obvious advantages towards supply, management and use in general of the product.



SNZ marking



CNU/8 marking



CSC marking



TH/35-7,5 rail



TH/35-15 rail

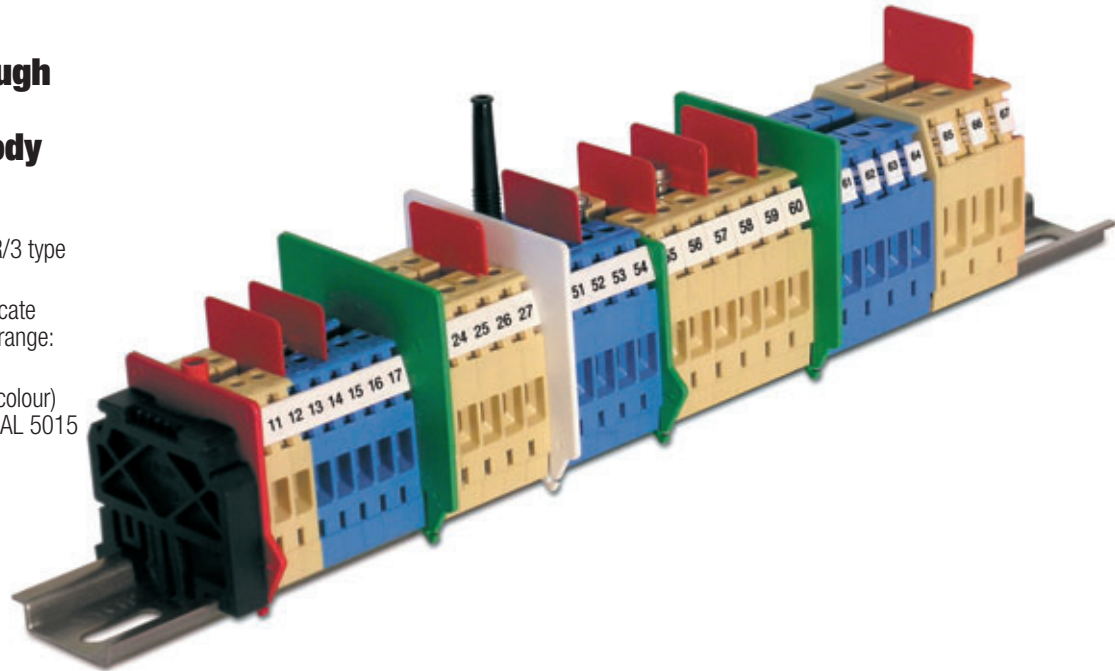


"G 32" rail

CBD Series

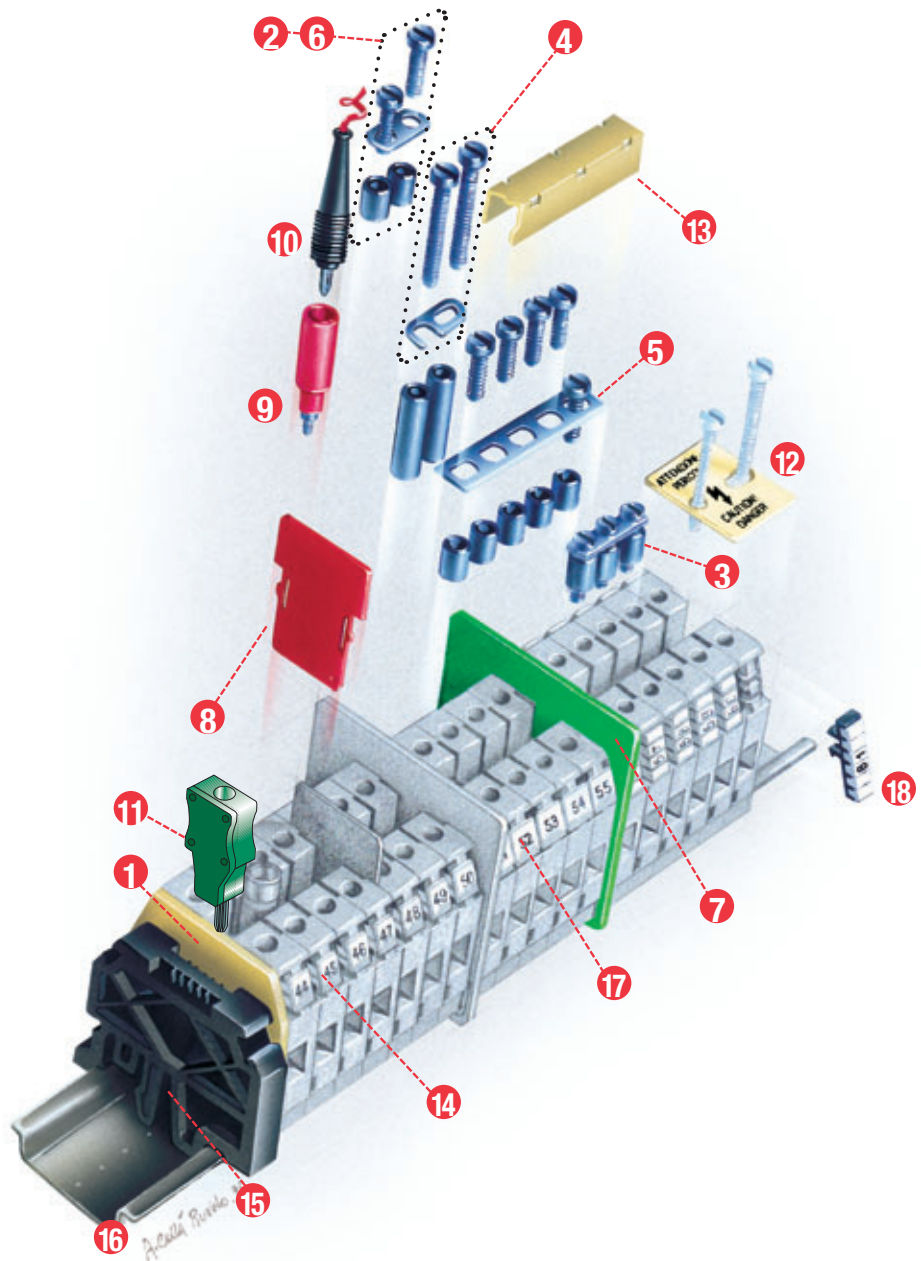
Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Accessories

- 1 End section
- 2 Permanent cross connection
- 3 Pre-assembled cross connection
- 4 Switchable cross connection
- 5 Multiple cross connection
- 6 Shunting screw and sleeve
- 7 Coloured partition
- 8 Cross connection barrier
- 9 Test plug socket
- 10 Test plug
- 11 Modular test plug
- 12 Warning plate
- 13 Cross connection cover
- 14 Marking tag
- 15 End bracket
- 16 Mounting rail
- 17 Numbering strip
- 18 Tag adapter



Various accessories (the picture shows those specific to the CBD series, some of which are also used for other models)

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



(*): 25 A factory wiring only



(**): 32 A factory wiring only



(***) if shielded cables are to be connected, when using CB/SH screening lug, the rated voltage is reduced to 200 V

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	
Screening lug	

CBD.2	
Cat. No.	CB110
CBD.2 (Ex)i	
Cat. No.	CBX12
TECHNICAL CHARACTERISTICS	
feed-through	
2,5	
0,5 ÷ 4	
0,5 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 20 A (*) / 20-12 AWG / 5,5 lb.in	
500 V / 630 V	
8 kV / 3	
13	
0,4 / 0,8	
47 / 40,5 / 5,5	
55 / 40,5 / 5,5	
51 / 40,5 / 5,5	



Type	Cat. No.
CB2/PT	CB111
CB2/PT (Ex)i	CBX13
PM/20/2 poles (pre-assembled)	PM202
PM/20/3 poles (pre-assembled)	PM203
PM/20/5 poles (pre-assembled)	PM205
PM/20/10 poles (pre-assembled)	PM210
24	
POS/11	POS11
PMP/01	PMP01
CPM/21 (CPX/21)	CPM21 (CPX21)
DFU/1	DU01..
DFM/600	DF600
PSD/D	PD004
SDD/1	DD001
SDD/5	DD005
SD5/PT	DD501
SNZ/5	SN001
TQM/02 su 4	TQM02
-	
PRP/6	PRP06
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB/SH (*)	CB009

CBD.4	
Cat. No.	CB240
CBD.4 (Ex)i	
Cat. No.	CBX24
TECHNICAL CHARACTERISTICS	
feed-through	
4	
0,5 ÷ 6	
0,5 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 30 A (**) / 20-10 AWG / 8,9 lb.in	
500 V / 630 V	
8 kV / 3	
14	
0,5 / 1,2	
52 / 44 / 6,5	
60 / 44 / 6,5	
56 / 44 / 6,5	



Type	Cat. No.
CB4/6/PT	CB241
CB4/6/PT (Ex)i	CBX25
PM/40/2 poles (pre-assembled)	PM402
PM/40/3 poles (pre-assembled)	PM403
PM/40/5 poles (pre-assembled)	PM405
PM/40/10 poles (pre-assembled)	PM400
32	
POS/42	POS42
PMP/42	PMP42
CPM/12 (CPX/12)	CPM12 (CPX12)
DFU/4	DU04..
DFM/600	DF600
PSD/A	PD001
SDD/1	DD001
SDD/6	DD006
SD6/PT	DD601
SNZ/65	SN006
TQM/12 su 3 e su 4	TTM12
-	
PRP/6	PRP06
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB/SH (*)	CB009

CBD.6	
Cat. No.	CB340
CBD.6 (Ex)i	
Cat. No.	CBX34
TECHNICAL CHARACTERISTICS	
feed-through	
6	
0,5 ÷ 10	
0,5 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
600 V / 50 A / 20-8 AWG / 13,3 lb.in	
500 V / 630 V	
8 kV / 3	
14	
0,8 / 1,4	
52 / 44 / 8	
60 / 44 / 8	
56 / 44 / 8	



Type	Cat. No.
CB4/6/PT	CB241
CB4/6/PT (Ex)i	CBX25
PM/60/2 poles (pre-assembled)	PM602
PM/60/3 poles (pre-assembled)	PM603
PM/60/5 poles (pre-assembled)	PM605
PM/60/10 poles (pre-assembled)	PM610
41	
POS/93	POS93
PMP/13	PMP13
CPM/83 (CPX/83)	CPM83 (CPX83)
DFU/4	DU04..
DFM/600	DF600
PSD/N	PD013
SDD/1	DD001
-	
SNZ/8	SN004
TTM/15 su 3	TTM15
TQM/15 su 4	TQM15
PRP/7	PRP07
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB/SH (*)	CB009

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



(*) if shielded cables are to be connected when using CB/SH screening lug, the rated voltage is reduced to 250 V

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	
Screening lug	

CBD.10	
Cat. No.	CB440
CBD.10 (Ex)i	
Cat. No.	CBX45
TECHNICAL CHARACTERISTICS	
feed-through	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
800 V / 57 A / B6	
600 V / 60 A / 20-6 AWG / 13,3 lb.in	
500 V / 630 V	
8 KV / 3	
14	
1,2 / 1,9	
55 / 44 / 10	
63 / 44 / 10	
59 / 44 / 10	



IEC Ex pending

CBD.16	
Cat. No.	CB510
CBD.16 (Ex)i	
Cat. No.	CBX52
TECHNICAL CHARACTERISTICS	
feed-through	
16	
0,5 ÷ 25	
0,5 ÷ 25	
16 - WP160/22	
800 V / 76 A / B7	
600 V / 100 A / 20-3 AWG / 19,9 lb.in	
630 V / 630 V	
8 KV / 3	
18	
1,8 / 3	
57 / 47 / 12	
65 / 47 / 12	
61 / 47 / 12	



IEC Ex pending

CBD.35	
Cat. No.	CB610
CBD.35 (Ex)i	
Cat. No.	CBX62
TECHNICAL CHARACTERISTICS	
feed-through	
35	
0,5 ÷ 35	
0,5 ÷ 50	
35 - WP350/30	
800 V / 125 A / B8	
600 V / 125 A / 16 ÷ 1 AWG / 22,1 lb.in	
630 V / 630 V	
8 KV / 3	
20	
2 / 3,5	
60 / 52 / 16	
68 / 52 / 16	
64 / 52 / 16	



IEC Ex pending

Type	Cat. No.
CB10/PT	CB431
CB10/PT (Ex)i	CBX44
PM/10/2 poles (pre-assembled)	PM102
PM/10/3 poles (pre-assembled)	PM103
PM/10/5 poles (pre-assembled)	PM105
PM/10/10 poles (pre-assembled)	PM100
57	
POS/44	POS44
PMP/04	PMP04
CPM/03 (CPX/03)	CPM03 (CPX03)
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
SNZ/10	SN005
TTM/04 on 3	TTM04
TQM/04 on 4	TQM04
PRP/7	PRP07
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
CB/SH (*)	CB009

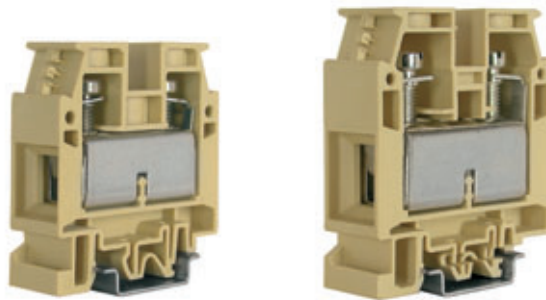
Type	Cat. No.
CB16/PT	CB511
CB16/PT (Ex)i	CBX53
POF/44 (PFX/44)	POF44 (PFX44)
(same, Ex e version)	
76	
POS/44	POS44
PMP/05	PMP05
CPM/44 (CPX/44)	CPM44 (CPX44)
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
TUM/05 on 3 and on 4	TUM05
-	
PRP/7	PRP07
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

Type	Cat. No.
CB35/PT	CB611
CB35/PT (Ex)i	CBX63
POF/06 (PFX/06)	POF06 (PFX06)
(same, Ex e version)	
125	
POS/66	POS66
PMP/06	PMP06
CPM/06 (CPX/06)	CPM06 (CPX06)
DFU/5	DU05..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
TUM/06 on 3 and on 4	TUM06
-	
PRP/8	PRP08
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 01 ATEX 090 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



(*): 150 A factory wiring only

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection (same, Ex e version)	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	 
Screening lug	

CBD.50	
Cat. No.	CB710
CBD.50 (Ex)i	
Cat. No.	CBX72
feed-through	
50	
1,5 ÷ 50	
1 ÷ 70	
50 - WP500/40	
800 V / 150 A / B9	
600 V / 130 A (*) / 16-1 AWG / 33,2 lb.in.	
630 V / 630 V	
8 KV / 3	
22	
2,5 / 5	
62 / 57 / 18	
70 / 57 / 18	
66 / 57 / 18	



Type	Cat. No.
CB50/PT	CB711
CB50/PT (Ex)i	CBX73
POF/07 (PFX/07)	POF07 (PFX07)
150	
POS/77	POS77
PMP/07	PMP07
CPM/07 (CPX/07)	CPM07 (CPX07)
DFU/5	DU05..
DFM/700	DF700
PSD/C	PD003
SDD/2	DD002
-	
-	
-	
TUM/07 on 3 and on 4	TUM07
-	
PRP/8	PRP08
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

CBD.70	
Cat. No.	CB810
CBD.70 (Ex)i	
Cat. No.	CBX82
feed-through	
70	
1,5 ÷ 95	
1 ÷ 95	
-	
800 V / 192 A / B11	
600 V / 220 A / 12 - 4/0 AWG / 50 lb. in.	
630 V / 630 V	
8 KV / 3	
26	
3 / 8	
71 / 62 / 20,5	
79 / 62 / 20,5	
75 / 62 / 20,5	

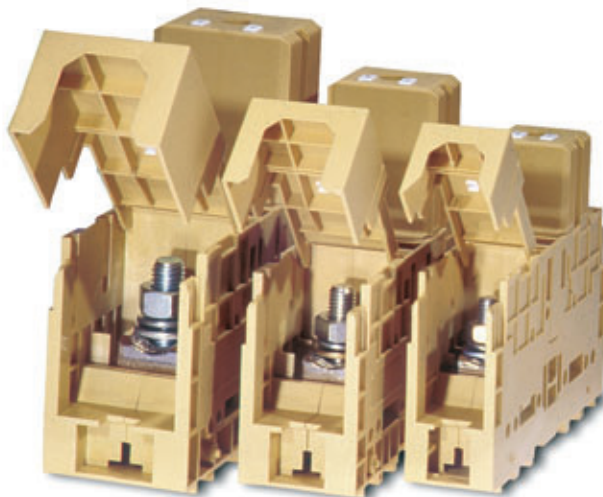


Type	Cat. No.
CB70/PT	CB811
CB70/PT (Ex)i	CBX83
POF/08 (PFX/08)	POF08 (PFX08)
192	
POS/08	POS08
PMP/08	PMP08
CPM/08 (CPX/08)	CPM08 (CPX08)
DFU/6	DU06..
DFM/700	DF700
PSD/C	PD003
SDD/2	DD002
-	
-	
-	
TUM/08 on 3 and on 4	TUM08
-	
PRP/8	PRP08
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005
-	

GPM Series high current terminal blocks

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel mount version available
- possibility to perform cross-connections
- available in /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- available in beige RAL 1001 colour



tightening reliability: the reliability of the connection (cable-lugs or bars) is guaranteed by screw and nut clamping, with one flat and one spring washer, having the function of counteracting the effects of high dynamic stress. In the versions designed for the connection of conductors without special preparation, the reliability of the connection is assured by the special wrapping shape of the pressure plate. The spring reaction to the pressing force of the conductor works as a block under the head of the tightening screw, avoiding unloosening, even in presence of vibrations.

The conducting bar is also manufactured with an equivalent concave housing as to increase the clamping effectiveness on the conductors. In addition, the contact surfaces of both the pressure plate and the concave housing of the conducting busbar are provided, on their whole length, with cross grooving which improves the connection characteristics. The mechanical retention of the conductors guarantees low resistance of the resulting electrical contact.

warning protection: all the versions are contained in particularly articulated insulating bodies which guarantee an **IPXXB** degree of protection, without the need of any further accessory. Every insulating body, made in thermoplastic material, is manufactured in two specular half-shells which fit into each other by means of centring pins. In addition on the lower and internal part of the terminal block, eight embedding tabs give added safety to the terminal block itself. The side walls of the half-shells are stiffened and box like; this not only improves the aesthetic aspect of these large terminal blocks, but also guarantees improved stability and linearity to the entire installation. The different versions, obviously, have different but always innovative and original solutions to the problem of guaranteeing the IPXXB protection degree. In fact in appropriate seats inside the side walls of the half-shells the following may be inserted:

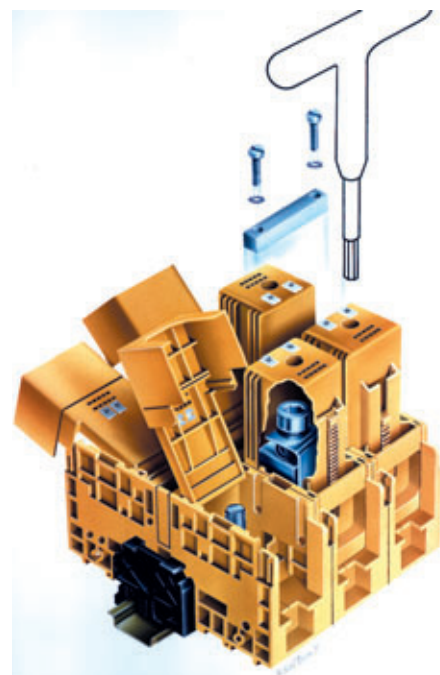
- **protection for the "bar" versions:** this protection, which in normal installation conditions is in a longitudinal position in respect to the axis of the terminal block, can be easily rotated with the simple aid of a screwdriver (as mentioned in the safety regulations). In this way, access can be guaranteed into the connection unit and for all the cable lugs or bars for tightening and loosening operations,
- **protection for the "cable" versions:** in this case the protection is fixed and has a click insertion. It is orthogonal to the axis of the terminal block and it protects the wire clamping collar, the pressure plate and the tightening screw.

This type of protection is provided with a "sliding gate" device, which is vertical to the terminal block protection and in line with the conductors insertion hole; it allows, with manual action with the best safety conditions, to close partially or totally the hole itself and to protect the live parts, when using conductors having a cross-section much lower than the rated one or when wiring the terminal block only on one side.

mounting: due to their large dimensions and as they bear high strain caused by the stress generated by the conductors, a new rail mounting system has been researched into and designed for them. These terminal blocks can be mounted on different types of rails (conf. to IEC 60715). The dismounting from the rail of the terminal block can take place with the aid of a simple screwdriver, inserted in the vent-hole of the mounting system itself (yellow part). If the rails themselves are to be installed on a straight wall, the size of GPM terminal blocks make the use of flat rail supports indispensable so that the terminals can be adequately distanced from the surface. For each terminal block, a /FIX version for the direct panel-mount is available.

marking: identification on both sides can be made on all the terminal blocks of GPM series, despite the size, with either CNU/8 type (2 elements) or CSC (up to 5 elements) marking tags. It is not necessary to use one or the other type: they can be used together.

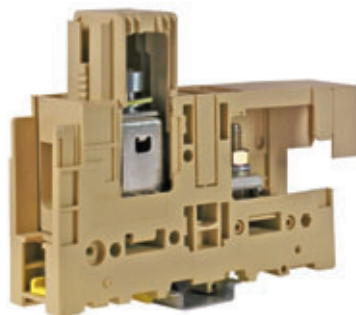
cross-connection: with this series of products it is also possible to create a cross connection between two or three adjoining terminal blocks by using the appropriate jumper. The pre-cut diaphragm on the side wall of the insulating body must be removed before the insertion of this accessory. Even when the cross-connection is in place, the assembled terminal board provided with these accessories guarantees an IPXXB protection degree, without the need of any further cover.



GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version



panel-mount version

standard version	
panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value –bar (test / recommended)	(Nm)
tightening torque value –cable (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
height / width (fixing distance between centres) / thickness (panel-mount)	

APPROVALS

ACCESSORIES	
End sections	beige
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

GPM.95/BC	Cat. No.	GP200
GPM.95/BC/FIX	Cat. No.	GP210
feed-through		
95		
35 ÷ 120		
25 ÷ 120		
22 mm maximum width (M8 bolt)		
1000 V / 269 A / B12		
-		
12 KV / 3		
35		
6 / 9 (13 mm wrench)		
6 / 9 (Allen screw, 6 mm wrench)		
113 / 158 / 32		
120 / 158 / 32		
117 / 158 / 32		
108 / 175 (158) / 32		



cUL and UL pending

GPM.150/BC	Cat. No.	GP500
GPM.150/BC/FIX	Cat. No.	GP510
feed-through		
150		
50 ÷ 185		
35 ÷ 185		
32 mm maximum width (M10 bolt)		
1000 V / 353 A / B14		
-		
12 KV / 3		
35		
10 / 15 (17 mm wrench)		
10 / 15 (Allen screw, 8 mm wrench)		
134 / 170 / 42		
141 / 170 / 42		
138 / 170 / 42		
129 / 187 (158) / 42		



cUL and UL pending

GPM.240/BC	Cat. No.	GP800
GPM.240/BC/FIX	Cat. No.	GP810
feed-through		
240		
95 ÷ 300		
95 ÷ 300		
40 mm maximum width (M12 bolt)		
1000 V / 452 A / B16		
-		
12 KV / 3		
43		
14 / 21 (19 mm wrench)		
14 / 21 (Allen screw, 8 mm wrench)		
150 / 202 / 52		
157 / 202 / 52		
154 / 202 / 52		
144 / 219 (172) / 52		



cUL and UL pending

Type	Cat. No.
-	-
P0F/95/2 poles	P0952
P0F/95/3 poles	P0953
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
P0F/150/2 poles	P0152
P0F/150/3 poles	P0153
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
P0F/240/2 poles	P0242
P0F/240/3 poles	P0243
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

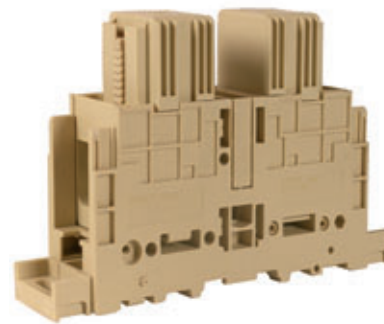
GPM Series high current terminal blocks

with UL94V-0 polyamide
insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



standard version



panel-mount version

standard version

panel-mount version

TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
bars and/or cable lugs	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value –bar (test / recommended)	(Nm)
tightening torque value –cable (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
height / width (fixing distance between centres) / thickness (panel-mount)	

APPROVALS

ACCESSORIES

End sections	beige
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Mounting rail support	flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

GPM.95/CC	Cat. No.	GP300
-----------	----------	-------

GPM.95/CC/FIX	Cat. No.	GP310
---------------	----------	-------

TECHNICAL CHARACTERISTICS

feed-through	
95	
35 ÷ 120	
25 ÷ 120	
22 mm maximum width (M8 bolt)	
1000 V / 269 A / B12	
-	
12 KV / 3	
-	
-	
6 / 9 (Allen screw, 6 mm wrench)	
113 / 140 / 32	
120 / 140 / 32	
117 / 140 / 32	
108 / 173 (158) / 32	



Type	Cat. No.
------	----------

-	
POF/95/2 poles	P0952
POF/95/3 poles	P0953
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

GPM.150/CC	Cat. No.	GP600
------------	----------	-------

GPM.150/CC/FIX	Cat. No.	GP610
----------------	----------	-------

TECHNICAL CHARACTERISTICS

feed-through	
150	
50 ÷ 185	
35 ÷ 185	
32 mm maximum width (M10 bolt)	
1000 V / 353 A / B14	
-	
12 KV / 3	
-	
-	
10 / 15 (Allen screw, 8 mm wrench)	
134 / 140 / 42	
141 / 140 / 42	
138 / 140 / 42	
129 / 173 (158) / 42	



Type	Cat. No.
------	----------

-	
POF/150/2 poles	P0152
POF/150/3 poles	P0153
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

GPM.240/CC	Cat. No.	GP900
------------	----------	-------

GPM.240/CC/FIX	Cat. No.	GP910
----------------	----------	-------

TECHNICAL CHARACTERISTICS

feed-through	
240	
95 ÷ 300	
95 ÷ 300	
40 mm maximum width (M12 bolt)	
1000 V / 452 A / B16	
-	
12 KV / 3	
-	
-	
14 / 21 (Allen screw, 8 mm wrench)	
150 / 154 / 52	
157 / 154 / 52	
154 / 154 / 52	
144 / 187 (172) / 52	



Type	Cat. No.
------	----------

-	
POF/240/2 poles	P0242
POF/240/3 poles	P0243
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
ACI121213	Z121213
ACI121024	Z121024
CNU/8	NU...
CSC	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT for PR/DIN only	CD003
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MBL Series stud-type terminal blocks

with UL94V-0 polyamide
insulating body

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour



beige version

(Ex)i version

TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
stud diameter / key / locking bolt wrench	
max lug overlapping connection height	(mm)
torque value	
rated voltage / rated current	sec. IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
maximum connectable width	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

Partition	
Cover support	
Safety cover	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

MBL.50/6

Cat. No. MB100

for cable lugs	
50	
30 ÷ 50	
30 ÷ 70	
M 6 / M 10 / M 19	
15,3	
3	
800 V / 150 A	
600 V / 150 A / -	
8 KV / 3	
30	
-	
79 / 39 / 35	



Type Cat. No.

DUS/1	DUS01
SPS/5	SPS05
PRT/P	PRT01
CNU/8	NU...
-	
CDA/BT	CD003
-	
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

MBL.95/8

Cat. No. MB200

for cable lugs	
95	
30 ÷ 95	
30 ÷ 120	
M 8 / M 13 / M 19	
13	
6	
800 V / 232 A	
600 V / 200 A / -	
8 KV / 3	
30	
-	
79 / 39 / 35	



Type Cat. No.

DUS/1	DUS01
SPS/5	SPS05
PRT/P	PRT01
CNU/8	NU...
-	
CDA/BT	CD003
-	
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

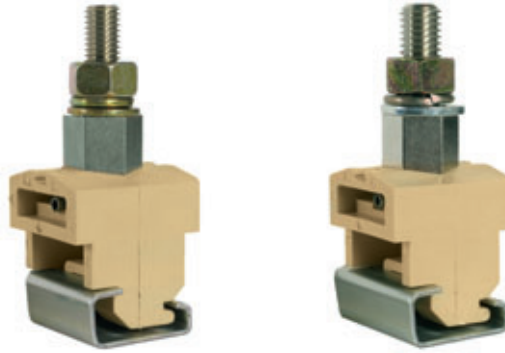
Stud terminal blocks suitable for the connection of bars or cable lugs, 30 mm max. width, to be mounted on PR/DIN type rails. **DUS/1** and **DUS/3** type barriers are provided to ensure the correct insulation distance between the different phases.

Whenever a safety cover is needed, the insulation function is guaranteed by the **SPS/5** support of the cover itself.



MBL Series stud-type terminal blocks

with UL94V-0 polyamide
insulating body



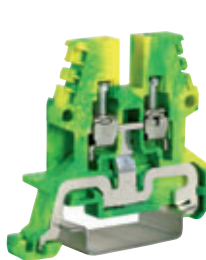
- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

beige version	MBL.120/10 Cat. No. MB300	MBL.150/12 Cat. No. MB400
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for cable lugs	for cable lugs
rated cross-section (mm²)	120	150
connecting capacity		
flexible (mm²)	30 ÷ 120	30 ÷ 150
rigid (mm²)	30 ÷ 150	30 ÷ 185
stud diameter / key / locking bolt wrench	M 10 / M 13 / M 19	M 12 / M 19 / M 19
max lug overlapping connection height (mm)	13	15,8
torque value	10	14
rated voltage / rated current sec. IEC 60947-7-1	800 V / 269 A	800 V / 309 A
rated voltage / rated current / AWG UL	600 V / 230 A / -	600 V / 285 A / -
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3
maximum connectable width (mm)	30	30
height / width / thickness TH/35 7,5 mm	-	-
height / width / thickness TH/35 15 mm	-	-
height / width / thickness G32	90 / 39 / 35	90 / 39 / 35
APPROVALS		
ACCESSORIES		
Partition	DUS/3 DUS03	DUS/3 DUS03
Cover support	SPS/5 SPS05	SPS/5 SPS05
Safety cover	PRT/P PRT01	PRT/P PRT01
Marking tag printed or blank	CNU/8 NU...	CNU/8 NU...
End bracket	CDA/BT CD003	CDA/BT CD003
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002	PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., TH/35 and "G32" types
- in a single green / yellow insulating case
- CESI 02 ATEX 061 U Ex e** certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C



Version to be mounted onto PR/3 and PR/DIN rails according to IEC 60715 Std.

(*) with reference to upper and lower clamping units respectively

version to be mounted onto PR/3 rail	TE0.2	Cat. No. T0910	CBE.2	Cat. No. CE110	TE0.4	Cat. No. T0430
version to be mounted onto PR/DIN rail						
TECHNICAL CHARACTERISTICS						
function / type	earth		earth (2 inputs / 2 outputs)		earth	
rated cross-section (mm²)	2,5		2,5		4	
connecting capacity						
flexible (mm²)	0,2 ÷ 4		0,2 ÷ 4		0,2 ÷ 6	
rigid (mm²)	0,2 ÷ 4		0,2 ÷ 4		0,2 ÷ 6	
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14		2,5 - WP25/14		4 - WP40/16	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3		- / - / A3		- / - / A4	
rated voltage / rated current / AWG / tightening torque value UL	- / - / 20-14 AWG / 5,5 lb.in.		- / 15 A / 20 ÷ 14 AWG / 5,5 lb.in.		- / - / 20 ÷ 12 AWG / 5,5 lb.in.	
(Ex e) rated voltage (V)	-		-		-	
rated impulse withstand voltage / pollution degree	8 kV / 3		8 kV / 3		8 kV / 3	
insulation stripping length (mm)	12		8 - 14,5 (*)		14	
tightening torque value (test / recommended) (Nm)	0,4 / 0,8		0,4 / 0,8		0,5 / 1,2	
height / width / thickness TH/35 7,5 mm	47 / 50 / 5,5		52 / 50 / 5		52 / 50 / 6,5	
height / width / thickness TH/35 15 mm	55 / 50 / 5,5		60 / 50 / 5		60 / 50 / 6,5	
height / width / thickness G32	-		56 / 50 / 5		-	
APPROVALS	     		     		IEC Ex pending	
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections green	TE0.2/PT	T0911	CBR/PT	CR111	TE0.4/PT	T0431
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
	CSC	CS...	CSC	CS...	CSC	CS...
Numbering strip	SNZ/5	SN001	SNZ/508	SN009	SNZ/65	SN006
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
			BT/DIN/PO for PR/DIN only	BT001		
			PR/DIN/AC of steel	PR001		
			PR/DIN/AS same with slots	PR004		
			PR/DIN/AL of aluminium	PR002		
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

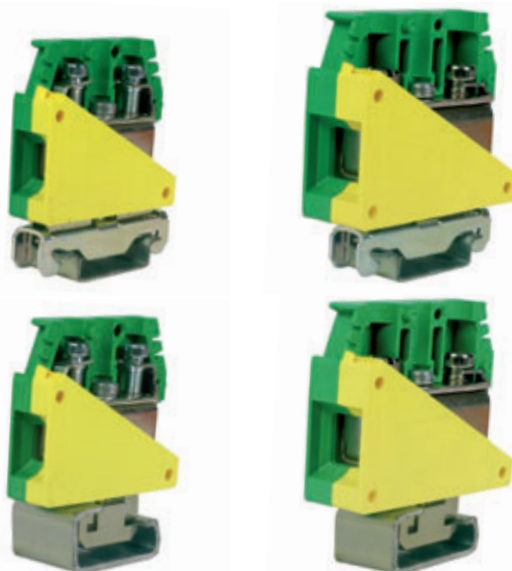
MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C



Without green / yellow insulating case



version to be mounted onto PR/3 rail	TE.16/O Cat. No. T0210	TE.50/O Cat. No. T0310	
version to be mounted onto PR/DIN rail	TE.16/D Cat. No. TE210	TE.50/D Cat. No. TE310	TTN.35 Cat. No. TT300
TECHNICAL CHARACTERISTICS			
function / type	earth	earth	earth
rated cross-section (mm²)	16	50	35
connecting capacity			
flexible (mm²)	0,5 ÷ 25	1,5 ÷ 50	1,5 ÷ 50
rigid (mm²)	0,5 ÷ 25	1 ÷ 70	1 ÷ 70
max. flexible with ferrule (mm²)-ferrule type	16 - WP160/22	50 - WP500/40	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 76 A / B7	- / 125 A / B9	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value UL	- / - / 20-3 AWG / 1,5 Nm	- / - / 16-1 AWG / 3,7 Nm	- / - / -
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	- / 3
insulation stripping length (mm)	13	17	15
tightening torque value (test / recommended) (Nm)	1,8 / 3	2,5 / 5	2,5 / 5
height / width / thickness TH/35 7,5 mm	56 / 47 / 12	62 / 57 / 18	-
height / width / thickness TH/35 15 mm	64 / 47 / 12	70 / 57 / 18	-
height / width / thickness G32	57,5 / 46,5 / 12	63 / 57 / 18	60 + D / 58 / 11
IEC Ex pending			
APPROVALS			
ACCESSORIES			
End sections verde	-	-	-
Marking tag printed or blank	-	-	-
Numbering strip	-	-	-
End bracket	-	-	-
Mounting rail according to IEC 60715 Std.	Type CNU/8 CSC BTU for PR/DIN and PR/3 BT/3-BTO for PR/3 only BT/DIN/PO for PR/DIN only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium	Type CNU/8 CSC BTU for PR/DIN and PR/3 BT/3-BTO for PR/3 only BT/DIN/PO for PR/DIN only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium PR/3/AC of steel PR/3/AS same with slots	Type CNU/8 CSC BTU for PR/DIN and PR/3 BT/3-BTO for PR/3 only BT/DIN/PO for PR/DIN only PR/DIN/AC of steel PR/DIN/AS same with slots PR/DIN/AL of aluminium
	Cat. No. NU... CS... BT005 BT003-BT007 BT001 PR001 PR004 PR002	Cat. No. NU... CS... BT005 BT003-BT007 BT001 PR001 PR004 PR002 PR003 PR005	Cat. No. NU... CS... BT005 BT003-BT007 BT001 PR001 PR004 PR002

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from
CEI EN 60947-7-2
standard

On two and three levels

with UL94V-0 polyamide insulating body

- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- to be mounted onto PR/3 according to IEC 60715 Std., "TH/35" type



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	500		250 V (*) 630 V (**)	500	500

(*) between lower levels (with partition)
 (**) between upper levels (with partition)
 (***) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC 60947-7-1 Std.

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
max current (***)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

DBC.2/GR	Cat. No. DB100GR
DBC.2	Cat. No. DB100
DBC.2 (Ex)i	Cat. No. DB200
2 level feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 24 A / A3	
600 V / 20 A / 28-12 AWG / 0,4 Nm	
27 A (2,5 mm ²) / 34 A (4 mm ²)	
-	
8 kV / 3	
9	
0,4 / 0,8	
66 / 70 / 5	
74 / 70 / 5	

DBC.2/CI/GR	Cat. No. DB117GR
DBC.2/CI	Cat. No. DB117
2 level feed-through with internal cross-connection	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 24 A / A3	
600 V / 20 A / 28-12 AWG / 0,4 Nm	
27 A (2,5 mm ²) / 34 A (4 mm ²)	
-	
8 kV / 3	
9	
0,4 / 0,8	
66 / 70 / 5	
74 / 70 / 5	

APPROVALS



ATEX Ex e and IEC Ex pending



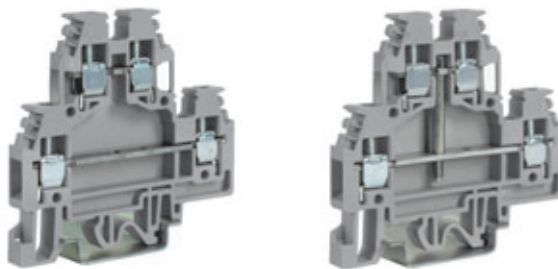
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier (upper level)	red
Cross connection barrier (lower level)	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
DBC/PT/GR	DB101GR
DBC/PT	DB101
DBC/PT (Ex)i	DB201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/800 - DFM/900	DF800-900
DFM/500	DF500
-	
-	
-	
SNZ/508	SN009
-	
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DBC/PT/GR	DB101GR
DBC/PT	DB101
DBC/PT (Ex)i	DB201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
PTC/SP	PTC0990
-	
-	
DFU/7	DU07..
DFM/800 - DFM/900	DF800-900
DFM/500	DF500
-	
-	
-	
SNZ/508	SN009
-	
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

On two and three levels

with UL94V-0 polyamide insulating body



- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto IEC 60715 rails
- DAS.4 terminal block **CESI 03 ATEX 162 U Ex e** certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C

- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

DAS.4/GR	
Cat. No.	DS100GR
DAS.4	
Cat. No.	DS100
DAS.4 (Ex)i	
Cat. No.	DS200
2 level feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V / 32 A / A4	
600 V / 20 A / 20-12 AWG / 1 Nm	
400 / 400	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

DAS.4/CI/GR	
Cat. No.	DS117GR
DAS.4/CI	
Cat. No.	DS117
DAS.4/CI (Ex)i	
Cat. No.	DS217
feed-through equipped with internal cross-connection	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V / 32 A / A4	
-	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

APPROVALS



Approvals referred to terminal block type DAS.4

ACCESSORIES

End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Shunting screw and sleeve	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
DAS/PT (Ex)i	DS201
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
SNZ/60	SN007
DAS/VCI	DS107
DAS/VCE	DS108
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
DAS/PT (Ex)i	DS201
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
SNZ/60	SN007
-	
DAS/VCE	DS108
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

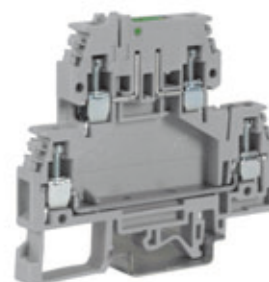
On two and three levels

with UL94V-0 polyamide insulating body

- feed-through with solder lugs
- with upper disconnect lever
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



with 2.8 x 0.8 mm solder lugs



Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

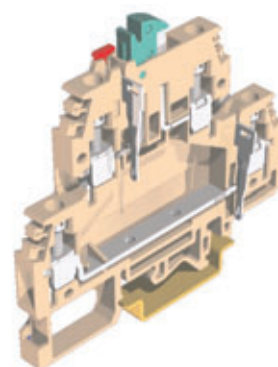
APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Fuse	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

DAS.4/SS/GR	
Cat. No.	DS110GR
DAS.4/SS	
Cat. No.	DS110
feed-through with solder lugs	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
320 V - 500 V (*) / 20 A (**) / A4	
-	
4 kV / 3	
9	
0,5 / 1,2	
62 / 80 / 6	
70 / 80 / 6	
66 / 80 / 6	

Approvals referred to terminal block type DAS.4

DSS.4/GR	
Cat. No.	DS400GR
DSS.4	
Cat. No.	DS400
with upper disconnect level	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 24-32 (***) / A4	
300 V / 24-32 A / 26-10 AWG / 0,5 Nm	
-	
6 kV / 3	
9	
0,5 / 1,2	
62 / 78 / 6	
70 / 78 / 6	
66 / 78 / 6	



terminal block type DSS.4 with lever up and PTC/4 cross connections inserted on both levels.

Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3 for PR/3 only	BT003
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
SNZ/60	SN007
-	
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

On two and three levels

with UL94V-0 polyamide insulating body

- with push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



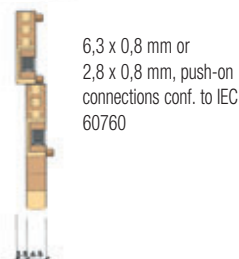
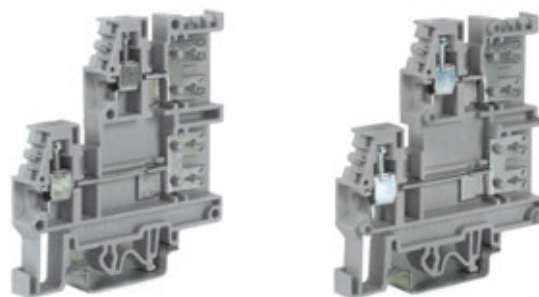
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Shunting screw and sleeve	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

FVS.4/GR	Cat. No. FV100GR
FVS.4	Cat. No. FV100
for overlapped circuits	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
320 V / 20 A / A4	
600 V / 20 A / 20-10 AWG / 1 Nm	
-	
6 kV / 3	
12	
0,8 / 1,2	
69 / 64 / 6,5	
77 / 64 / 6,5	
73 / 64 / 6,5	

Type	Cat. No.
FVS/PT/GR	FV101GR
FVS/PT	FV101
PM/41/2 poles	PM412
PM/41/3 poles	PM413
PM/41/5 poles	PM415
PM/41/10 poles	PM410
32	
POS/72	POS72
PMP/42	PMP42
CPM/01	CPM01
DFU/6	DU06..
-	
PSD/A	PD001
SDD/1	DD001
-	
SNZ/65	SN006
FVS/VCI	FV107
FVS/VCE	FV108
PRP/6	PRP06
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

FFS.4/GR	Cat. No. FF100GR
FFS.4	Cat. No. FF100
for overlapped circuits in staggered position	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
320 V / 20 A / A4	
600 V / 20 A / 20-10 AWG / 1 Nm	
-	
6 kV / 3	
12	
0,8 / 1,2	
69 / 64 / 6,5	
77 / 64 / 6,5	
73 / 64 / 6,5	

Type	Cat. No.
FFS/PT/GR	FF101GR
FFS/PT	FF101
PM/41/2 poles	PM412
PM/41/3 poles	PM413
PM/41/5 poles	PM415
PM/41/10 poles	PM410
32	
POS/72	POS72
PMP/42	PMP42
CPM/01	CPM01
-	
PSD/A	PD001
SDD/1	DD001
-	
SNZ/65	SN006
-	
PRP/6	PRP06
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005



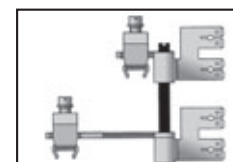
6,3 x 0,8 mm or
2,8 x 0,8 mm, push-on
connections conf. to IEC
60760



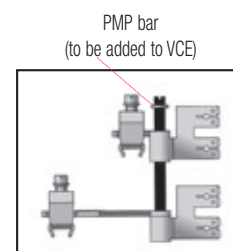
FVS/VCI - Cat. No. FV107
Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4



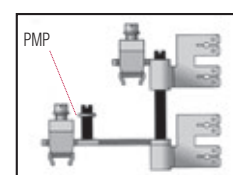
FVS/VCE - Cat. No. FV108
Screw and sleeve that, in addition to internal connection, allows to perform with the addition of PMP bar, adjoining cross-connections



VCI
internal cross connection



VCE
internal
+
front adjoining cross-connection



VCI + PM
parallelo interno
+
contiguo posteriore

On two and three levels

with UL94V-0 polyamide insulating body

- three level - for sensors
- with LOCK system
- suited for LED indication
- to be mounted onto PR/3 type rails - according to IEC 60715 Std., "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

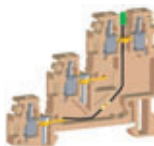
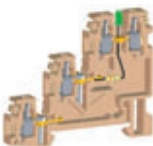
APPROVALS

ACCESSORIES

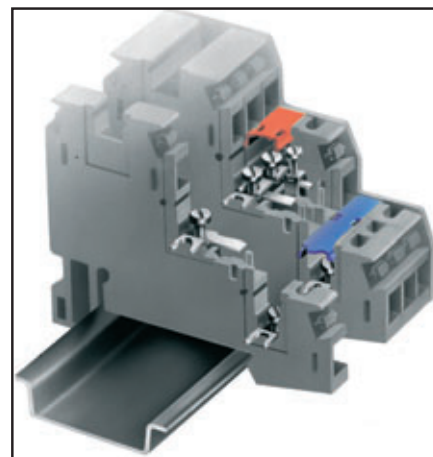
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	



TLS.2/T



TLS.2/U



LOCK system

TLS.2/T Cat. No. TL120 (with green LED between upper and intermediate levels)

TLS.2/U Cat. No. TL110 (with green LED between upper and lower levels)

TLS.2/GR	
Cat. No.	TL100GR
TLS.2	
Cat. No.	TL100
three level - for sensors	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 15 A / 20-12 AWG / 0,6 Nm	
-	
4 kV / 3	
8	
0,4 / 0,8	
52 / 62,5 / 6,2	
60 / 62,5 / 6,2	
-	



For the installation on limited longitudinal space where high density wiring is needed together with reliable insulation, special feed-through two/three level terminal blocks are available. The three level terminal blocks are suitable for circuits which are to be used and connected with specific equipment, as for example proximity sensors. In fact with the combined use of TLS.2 and TLD.2 terminal block, both the feeding and the signal carrying conductors of the proximity sensors can be economically and efficiently connected.

Particularly in the **TLS.2** terminal block, the intermediate and lower levels can be used to feed the sensors in d.c.; the feeding is distributed on the adjoining elements of the terminal board by means of a special **LOCK** connection system.

The above mentioned conducting bodies have a fork, pointed towards the exterior of the terminal block, which connects to the homologous element of the adjoining terminal block. The tightening of the resulting electrical contact is by means of a screw, already inserted in the threaded hole of the conducting bodies.

The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. The conductors carrying the return signal from the sensor is connected to the upper feed-through level; the insertion, in the appropriate grooving of **PRP/5** coloured covers avoids any possible contact with the live parts, and allows an immediate identification of the polarity (Red for +, Blue for -).

TLD.2 terminal block is perfectly compatible with the **TLS.2** for the connection of proximity sensors, as it has the same electrical and mechanical characteristics. Two of six tightening units can be connected to the sensor feeding cables and distribute the power supply to the other sensors.

The cross-connection between the intermediate and lower levels of these terminal blocks to the contiguous ones of the TLS.2 can be performed by means of the two screws provided in the fork type conducting bodies of the TLS.2 – the first of the series – free from whatever connection; between the TLD.2 and TLS.2 terminal blocks a TLD/PI intermediate end section must be interposed, to ensure electric insulation of the TLD.2 terminal block conducting parts, which otherwise would be uncovered.

TLD.2 terminal block can also be used for other connecting applications, in other types of circuits.

Type	Cat. No.
TLS/PT/GR	TL101GR
TLS/PT	TL101
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

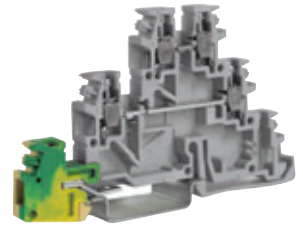
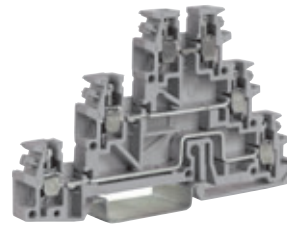
On two and three levels

with UL94V-0 polyamide insulating body

- 3 feed-through levels
- 3 levels + earth connection
- to be mounted onto TH 35-7,5 and TH 35-15 type rails - according to IEC 60715 Std.
- available in grey RAL 7042 and beige RAL 1001 colours



with earth connection on lower level



with earth connection on lower level and feed-through on intermediate and upper levels

The /GR tag indicates the grey colour version.

(*): 24 A factory wiring only

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

TLE.2/GR	Cat. No. TL400GR
TLE.2	Cat. No. TL400
2 levels + earth for actuators	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 20 A (*) / 20 ÷ 12 AWG / 0,4 Nm	
-	
4 kV / 3	
8	
0,4 / 0,8	
52 / 62,5 / 6,2	
60 / 62,5 / 6,2	
-	

TLD.2/GR	Cat. No. TL200GR
TLD.2	Cat. No. TL200
TLD.2 (Ex)i	Cat. No. TL300
3 feed-through levels	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 15 A / 20-12 AWG / 0,6 Nm	
-	
4 kV / 3	
8	
0,4 / 0,8	
52 / 85 / 6,2	
60 / 85 / 6,2	
-	

TDE.2/GR	Cat. No. TL500GR
TDE.2	Cat. No. TL500
2 feed-through levels + earth	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 20 A (*) / 20 ÷ 12 AWG / 0,4 Nm	
-	
4 kV / 3	
8	
0,4 / 0,8	
52 / 85 / 6,2	
60 / 85 / 6,2	
-	

APPROVALS



ACCESSORIES	
End sections	grey beige intermedio
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
TLS/PT/GR	TL101GR
TLS/PT	TL101
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
TLD/PT/GR	TL201GR
TLD/PT	TL201
TLD/PI	TL202
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/41	PMP41
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
TLD/PT/GR	TL201GR
TLD/PT	TL201
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for $\varnothing 5 \times 20$ mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- available in standard (grey RAL 7042 and beige RAL 1001 colours, where indicated) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

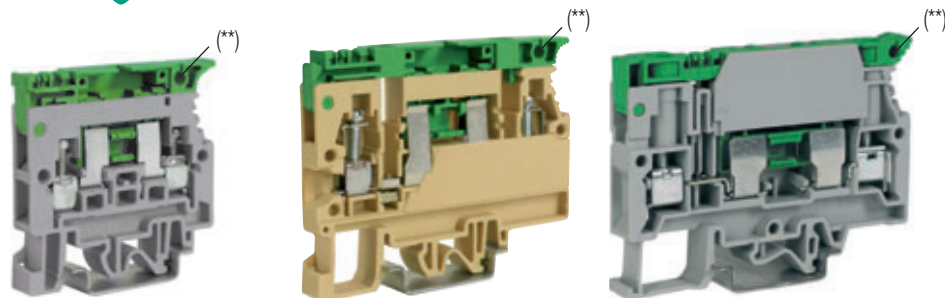
Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
(***) intrinsically IPXXB protected once mounted	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit or bulb	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	



with possibility to perform cross connections both upstream and downstream the disconnection point

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SF0.4	250	6,3	2,5	1,6	4	2,5
SFR.6/M	250	6,3 / 10 Max.	2,5 (6,3 A)	1,6 (6,3 A)	4 (10 A)	2,5 (6,3 A)

(*) value referred to the insulation characteristics of the terminal block – (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

SFR.4/GR	
Cat. No.	SF900GR
SFR.4	
Cat. No.	SF900
SFR.4 (Ex)i	
Cat. No.	SF850
for $\varnothing 5 \times 20$ mm fuses	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max (20 A with CO/5) / A4	
600 V / 6,3 A / 20-12 AWG / 0,5 Nm	
-	
6 kV / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	



SF0.4	
Cat. No.	SF400
SF0.4 (Ex)i	
Cat. No.	SF600
for $\varnothing 5 \times 20$ mm fuses	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max (16 A with CO/5) / A4	
600 V / 6,3 A / 20-12 AWG / 0,79 Nm	
-	
6 kV / 3	
11	
0,5 / 1,2	
59 / 73 / 8	
67 / 73 / 8	
62 / 73 / 8	



SFR.6/M/GR	
Cat. No.	SR500GR
SFR.6/M	
Cat. No.	SR500
SFR.6/M (Ex)i	
Cat. No.	SR600
for $\varnothing 5 \times 20$ mm fuses	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
630 V (*) / 6,3 A max (19 A with CO/5) / A5	
600 V / 6,3 A / 20-8 AWG / 1,4 Nm	
-	
6 kV / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	



Type	Cat. No.
SFR.4/PT/GR	SF701GR
SFR.4/PT	SF701
SFR.4/PT (Ex)i	SF801
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
SF0/PT	SF401
SF0/PT (Ex)i	SF601
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
24	
-	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
SNZ/8	SN004
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

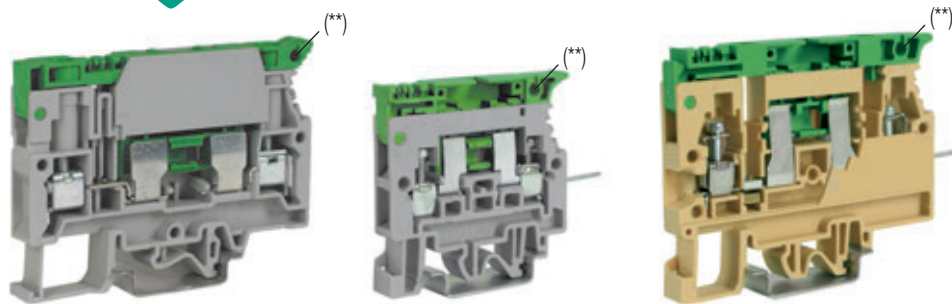
Type	Cat. No.
SFR.6/PT/GR	SF301GR
SFR.6/PT	SF301
SFR.6/PT (Ex)i	SF401
PTC/20/02 poles (***)	PTC2002
PTC/20/03 poles	PTC2003
PTC/20/05 poles	PTC2005
PTC/20/10 poles	PTC2010
PTC/20/00 (25 poles)	PTC2000
25	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
SNZ/10	SN010
F5	FN...
KITLSN/12-24	KIT1224
KITLSN/70-380	KIT70380
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for $\varnothing$ 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- for $\varnothing$ 6.3 x 32 mm fuses
- with solder lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams
The /GR tag indicates the grey colour version.



The terminal block is equipped with a lever suited to house a $\varnothing$ 6.3 x 32 mm - 500 V - 25 A max. fuse (not supplied)

4 x 0,8 mm solder lug

4 x 0,8 mm solder lug

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.6	250	10	2,5 (2,5 A)	1,6 (1 A)	4 (10 A)	2,5 (2,5 A)
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SFO.4	250	6,3	2,5	1,6	4	2,5

(*) value referred to the insulation characteristics of the terminal block — (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks — (****) neon bulb

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.6/GR	Cat. No. SR300GR
SFR.6	Cat. No. SR300
SFR.6 (Ex)i	Cat. No. SR400
for fuses	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
630 V (*) / 10 A (33 A with SFC/CO) / A5	
600 V / 10 A / 20-8 AWG / 1,4 Nm	
-	
6 kV (*) / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

SFR.4/VS/GR	Cat. No. SF910GR
SFR.4/VS	Cat. No. SF910
for fuses with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 6,3 A max (15 A with CO/5) / A4	
-	
4 kV (*) / 3	
11	
0,5 / 1,2	
52 / 65 / 8	
60 / 65 / 8	
56 / 65 / 8	

SFO.4/VS	Cat. No. SF410
for fuses with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 6,3 A max (15 A with CO/5) / A4	
-	
4 kV (*) / 3	
11	
0,5 / 1,2	
59 / 85 / 8	
67 / 85 / 8	
63 / 85 / 8	

APPROVALS



other approvals referred to the standard version



other approvals referred to the standard version

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
(***) intrinsically IPXXB protected once mounted	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing$ 5 x 20 mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit or bulb	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (***)	PTC2002
PTC/20/03 poles	PTC2003
PTC/20/05 poles	PTC2005
PTC/20/10 poles	PTC2010
PTC/20/00 (25 poles)	PTC2000
25	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
SNZ/10	SN010
-	
KITLSN/12-24	KIT1224
KITLSN/70-380	KIT70380
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

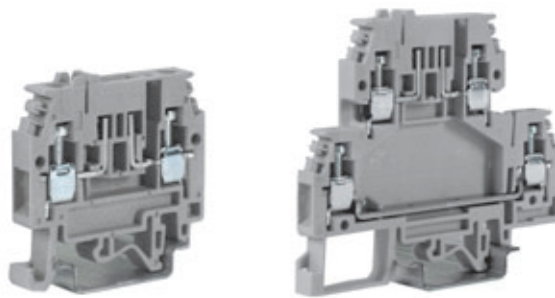
Type	Cat. No.
-	
SFR.4/PT	SR701
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
SFO/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
-	
PMP/20	PMP20
-	
DFU/7	DU07..
-	
SDD/1	DD001
SNZ/8	SN004
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Fuse-holders

with UL94V-0 polyamide insulating body

- for blade fuse acc. to DIN 72581/3F – ISO 8820
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- with possibility to insert the “Easy Bridge” multi-pole cross connection upstream the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types



- (*) value referred to the insulation characteristics of the terminal block
 (**) values referred, respectively, to lower and upper levels
 (***) suitable for all the blade fuses with similar dimensions
 (****) separate configuration conf. to IEC 60947-7-3

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)			
MPFA.4	PTC/4	400	400	400	
DSFA.4	PTC/4	400	400	400	

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm²)	
connecting capacity	
flexible (mm²)	
rigid (mm²)	
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	
rated voltage / rated current / AWG / tightening torque value UL	
(Ex e) rated voltage (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / recommended) (Nm)	
height / width / thickness TH/35 7,5 mm	
height / width / thickness TH/35 15 mm	
height / width / thickness G32	

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
(***) intrinsically IPXXB protected once mounted	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade-type fuses	In = 2 A In = 5 A according to DIN 72581/3F ISO 8820 - max voltage 32 V In = 7,5 A In = 15 A
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

MPFA.4/GR	Cat. No. MF100GR
MPFA.4	Cat. No. MF100
for blade fuse (***)	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 15 A (****) / A4	
600 V / 6,3 A / 26-10 AWG / 0,5 Nm	
-	
6 kV (*) / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	

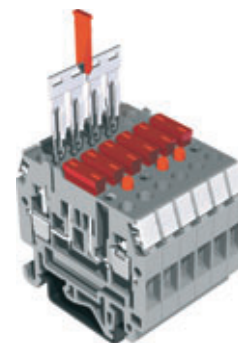


Approvals referred to the use with CPF/5 fuse carrier cartridge

DSFA.4/GR	Cat. No. DA100GR
DSFA.4	Cat. No. DA100
2 level - for blade fuse (***) on the upper level	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V (*) / 15 A (****) - 32 A (**) / A4	
300 V / 6,3 - 30 A / 26-10 AWG / 0,5 Nm	
-	
6 kV / 3	
9	
0,5 / 1,2	
68 / 78 / 6	
75 / 78 / 6	
72 / 78 / 6	



Approvals referred to the use with CPF/5 fuse carrier cartridge



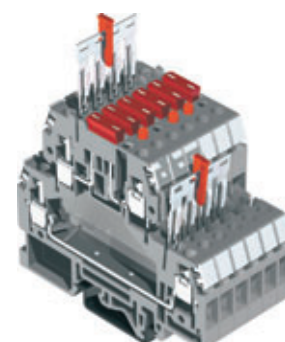
MPFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 and PTC. The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.

MPFA.4/L12 Cat. No. MF112 (with 12 V non-polarised LED circuit)

MPFA.4/L24 Cat. No. MF124 (with 24 V non-polarized LED circuit)

Type	Cat. No.
MPS.4/PT/GR	MP901GR
MPS.4/PT	MP901
-	
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC04/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
DFU/3	DU03..
DFM/500	DF500
-	
-	
-	
-	
F32/2 In = 2 A	FN03202
F32/5 In = 5 A	FN03205
F32/7 In = 7,5 A	FN03207
F32/15 In = 15 A	FN03215
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
-	
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC04/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
-	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
-	
-	
F32/2 In = 2 A	FN03202
F32/5 In = 5 A	FN03205
F32/7 In = 7,5 A	FN03207
F32/15 In = 15 A	FN03215
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005



DSFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 jumpers on the upper level (upstream the fuse) and on the lower level. The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.

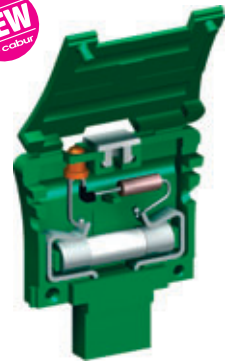
DSFA.4/L12 Cat. No. DA112 (with 12 V non-polarised LED circuit)

DSFA.4/L24 Cat. No. DA124 (with 24 V non-polarised LED circuit)

Component-holder cartridge

with UL94V-0 polyamide insulating body

- to be mounted on MPFA.4, DSFA.4 and HMFA.2 (see page 84)
- a fuse $\varnothing$ 5 x 20 mm can be inserted (our type F5, with or without signalling LED, diode (1 or 3 A), brass pin $\varnothing$ 5 x 20 mm and other components (e.g. resistors)



Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
MPFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
DSFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
HMFA.2 + CPF/5	250	6,3	1,6	1,6	4	1,6

standard version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CPF/5	Cat. No.	CPF05
component-holder cartridge		
-		
-		
-		
-		
320 V (a) / 6,3 A (a) / A5		
-		
-		
4 kV / 3		
-		
-		
(b) / 33 / 6		
(b) / 33 / 6		
(b) / 33 / 6		

The cartridge can contain a spare fuse, instead of the LED signalling circuit.



APPROVALS

Approvals referred to the terminal blocks, on which the cartridge is mounted – see table

ACCESSORIES	
Marking tag	printed or blank
Tinned brass conductor	$\varnothing$ 5 x 20 mm
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	

Type	Cat. No.
CNU/8	NU...
CO/5	VL103
SFR/I1A (with 1 A diode)	SF992
SFR/I3A (with 3 A diode)	SF993

VERSIONI PREDISPOSTE	
With non-polarized LED microcircuit	12 Vdc / Vac
With non-polarized LED microcircuit	24 Vdc / Vac
With non-polarized LED microcircuit	48 Vdc / Vac
With non-polarized LED microcircuit	115 Vdc / Vac
With non-polarized LED microcircuit	230 Vdc / Vac
With 1 A diode (1N4001 ÷ 1N4007 types)	
With 3 A diode (BY255 type)	
With resistor 1200 Ω (1 W $\pm$ 5%)	

Type	Cat. No.
CPF/5L12	CPF512
CPF/5L24	CPF524
CPF/5L48	CPF548
CPF/5L115	CPF511
CPF/5L230	CPF523
CPF/5D1A	CPF501
CPF/5D3A	CPF503
CPF/5R	CPR05

Note:

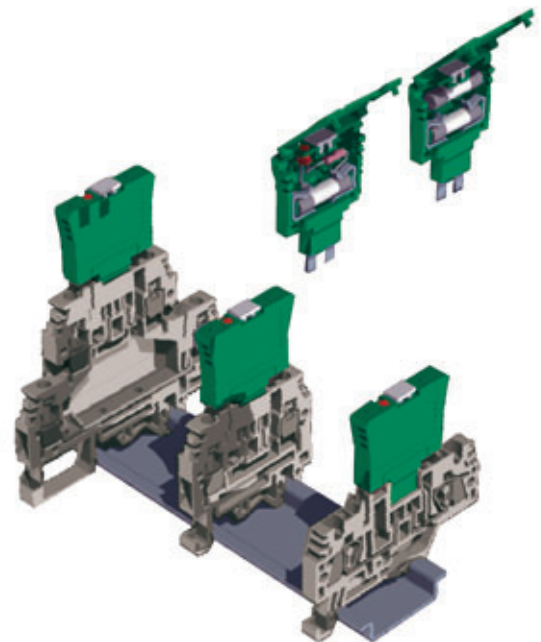
(a) with fuse $\varnothing$ 5 x 20 mm, 250 V, I_{max} = 6,3 A – with brass pin I_{max} = 10 A

(b) total value, when the cartridge is mounted on terminals, considering as well the mounting rail:

Terminal block	Height on rail TH/35 7,5 (mm)	Height on rail TH/35 15 (mm)	Height on rail G32 (mm)
HMFA.2	57	75	-
MPFA.4	75	83	79
DSFA.4	96	104	100

View of the different choices for mounting the cartridge respectively on terminals DSFA.4, MPFA.4 or HMFA.2.

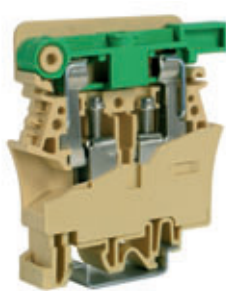
When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.



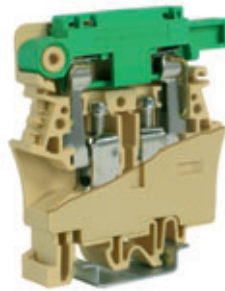
Fuse-holders

with UL94V-0 polyamide insulating body

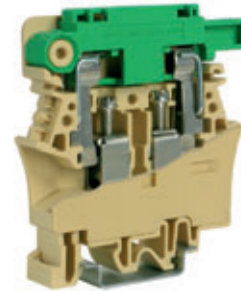
- for $\varnothing$ 6.3 x 32 mm fuses
- for $\varnothing$ 6.3 x 32 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., G32 and "TH/35" types
- available in beige RAL 1001 colour



The terminal block is equipped with a lever suited to house a $\varnothing$ 6.3 x 32 mm - 500 V fuse (not supplied).



The terminal block is equipped with a lever suited to house a $\varnothing$ 6.3 x 32 mm - 500 V fuse and a non-polarised LED microcircuit. The interruption of the fuse determines the ignition of the LED. The terminal block can be supplied with the CIL circuit already mounted for the insertion of a non polarised LED circuit.



The terminal block is equipped with a lever suited to house a $\varnothing$ 6.3 x 32 mm - 500 V fuse and a neon lamp with incorporated resistance (our type LSN $\varnothing$ 6 x 26 mm - 380 V max) The interruption of the fuse determines the ignition of the lamp.

(*) value referred to the insulation characteristics of the terminal block
(**) for simultaneous disconnection of adjoining terminal blocks

LSN



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
MSM handle (**)	
Neon lamp $\varnothing$ 6 x 26 mm	
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

FPC.10	Cat. No.	FP100
for $\varnothing$ 6.3 x 32 mm fuses		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 10 A (20 A with SFC/CO) / B6		
600 V / 15 A / 20-6 AWG / 0,79 Nm		
-		
6 kV (*) / 3		
17		
1,2 / 1,9		
70 / 63 / 12		
78 / 63 / 12		
74 / 63 / 12		



Type	Cat. No.
-	-
-	-
-	-
DFU/6	DU06..
-	-
-	-
SDD/2	DD002
MSM (6 elements)	FC103
-	-
-	-
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

FPL.10/C	Cat. No.	FP300
for $\varnothing$ 6.3 x 32 mm fuses with LED		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 10 A / B6		
300 V / 15 A / 20-6 AWG / 0,79 Nm		
-		
6 kV (*) / 3		
17		
1,2 / 1,9		
71 / 63 / 12		
79 / 63 / 12		
75 / 63 / 12		



Type	Cat. No.
-	-
-	-
-	-
DFU/6	DU06..
-	-
-	-
-	-
MSM (6 elements)	FC103
-	-
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

FPL.10/L	Cat. No.	FP200
for $\varnothing$ 6.3 x 32 mm fuses with lamp		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V (*) / 10 A (20 A with SFC/CO) / B6		
300 V / 15 A / 20-6 AWG / 0,79 Nm		
-		
6 kV (*) / 3		
17		
1,2 / 1,9		
71 / 63 / 12		
79 / 63 / 12		
75 / 63 / 12		

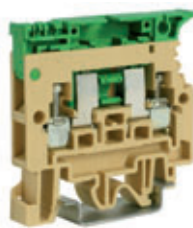
Approvals referred to the standard version

Type	Cat. No.
-	-
-	-
-	-
PMP/20	PMP20
-	-
DFU/6	DU06..
-	-
-	-
SDD/1	DD001
MSM (6 elements)	FC103
LSN	FL202
-	-
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Fuse-holders with LED circuit

with UL94V-0 polyamide
insulating body

- for $\varnothing 5 \times 20$ mm fuses, with possibility to detect the fuse blow-out status, by means of a LED microcircuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- with non-polarised LED microcircuits (CIL) to operate under a.c. and/or d.c. and to detect the fuse blow-out status
- available in beige RAL 1001 colour



(*) value referred to the insulation characteristics of the terminal



F5 $\varnothing 5 \times 20$ mm fuse
(250 V - 5 A max)

The terminal block is equipped with a lever suited for the housing of our **F5** type - $\varnothing 5 \times 20$ mm **fuse**.

Non-polarized LED microcircuits (CILs) are inserted in an appropriate housing of the lever.

The interruption of the fuse determines the ignition of the LED.

Various versions, according to different voltages, are available.



CIL/... circuit

beige version

(Ex)i version

TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.4/C12 Cat. No. **SF912**
with 12V non-polarized LED circuit
SFR.4/C24 Cat. No. **SF924**
with 24V non-polarized LED circuit

fuse-holder with LED	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max / A4	
600 V / 6,3 A / 20-12 AWG / 0,5 Nm	
-	
6 kV (*) / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	

Approvals referred to the standard version
(see page 32)

SFR.4/C48 Cat. No. **SF948**
with 48V non-polarized LED circuit
SFR.4/C115 Cat. No. **SF915**
with 115V non-polarized LED circuit
SFR.4/C230 Cat. No. **SF923**
with 230V non-polarized LED circuit

fuse-holder with LED	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max / A4	
600 V / 6,3 A / 20-12 AWG / 0,5 Nm	
-	
6 kV (*) / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	

Approvals referred to the standard version
(see page 32)

APPROVALS

ACCESSORIES

End sections	beige
	blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
Conducting element	
LED circuit	non-polarized

Type	Cat. No.
SFR/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
SNZ/8	SN004
F5	FN...
C0/5	VL103
-	

Type	Cat. No.
SFR/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
SNZ/8	SN004
F5	FN...
C0/5	VL103
-	

Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

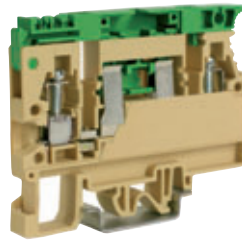
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

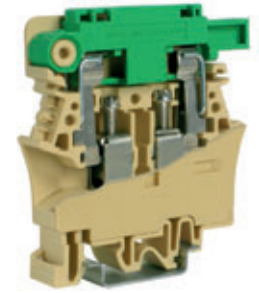
Fuse-holders with LED circuit

with UL94V-0 polyamide
insulating body

- with non-polarized LED microcircuits (CIL) to operate under a.c. and/or d.c. and to detect the blow-out status of the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



(**) The terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks.



The terminal blocks are provided with a lever suited to house an **F5** type $\varnothing 5 \times 20$ mm **fuse** for terminal block type SF0.4 and $\varnothing 6.3 \times 32$ mm fuse for terminal block type FPL10. The non-polarised printed **microcircuits** are inserted in an appropriate housing in the lever. The blow-out status of the fuse ignites the LED. Various versions for different voltages are available.



CIL... circuit

(*) value referred to the insulating characteristics of the terminal block

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SF0.4/C12 Cat. No. SF812 with 12V non-polarized LED circuit	
SF0.4/C24 Cat. No. SF824 with 24V non-polarized LED circuit	
for $\varnothing 5 \times 20$ mm fuse and LED circuit	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max (25 A con CO/5) / A4	
250 V / 20 A / 20-12 AWG / 0,79 Nm	
-	
6 kV (*) / 3	
11	
0,8 / 1,2	
59 / 73 / 8	
67 / 73 / 8	
62 / 73 / 8	

SF0.4/C48 Cat. No. SF848 with 48V non-polarized LED circuit	
SF0.4/C115 Cat. No. SF815 with 115V non-polarized LED circuit	
SF0.4/C230 Cat. No. SF823 with 230V non-polarized LED circuit	
for $\varnothing 5 \times 20$ mm fuse and LED circuit	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 6,3 A max (25 A con CO/5) / A4	
250 V / 20 A / 20-12 AWG / 0,79 Nm	
-	
6 kV (*) / 3	
11	
0,8 / 1,2	
59 / 85 / 8	
67 / 85 / 8	
62 / 85 / 8	

FPL10/C12 Cat. No. FP912 with 12V non-polarized LED circuit	
FPL10/C24 Cat. No. FP924 with 24V non-polarized LED circuit	
FPL10/C48 Cat. No. FP948 with 48V non-polarized LED circuit	
FPL10/C115 Cat. No. FP915 with 115V non-polarized LED circuit	
FPL10/C230 Cat. No. FP923 with 230V non-polarized LED circuit	
for $\varnothing 6,3 \times 32$ mm fuse and LED circuit	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V (*) / 10 A / B6	
300 V / 15 A / 20-6 AWG / 0,79 Nm	
-	
6 kV (*) / 3	
17	
1,2 / 1,9	
71 / 63 / 12	
79 / 63 / 12	
75 / 63 / 12	

APPROVALS

Approvals referred to the standard version
(see page 32)

Approvals referred to the standard version
(see page 32)

Approvals referred to the standard version
(see page 36)

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
MSM handle	
LED circuit	non-polarized

Type	Cat. No.
SF0/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
SNZ/8	SN004
F5	FN...
-	
-	

Type	Cat. No.
SF0/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
SNZ/8	SN004
F5	FN...
-	
-	

Type	Cat. No.
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
MSM (6 elements)	FC103
-	

Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

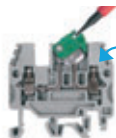
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - acc. to IEC 60715 Std., "G32" and "TH/35" types



Opening of the link blade

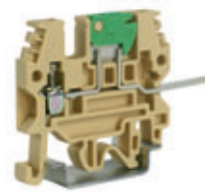
The /GR tag indicates the grey colour version.



with cross-connection possibility and suited to house a Ø 2.3 mm test plug, only in the slot of the cross-connection



with cross-connection possibility and suited to house a Ø 2.3 mm test plug, in the slot of the cross-connection or in the head of the tightening screws



with 1 screw and 1 solder connection, 4 x 0.8 mm



(*) value referred to the staggered position of the lugs (A or B)

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

MPS.2/SW/GR	Cat. No. MP120GR
MPS.2/SW	Cat. No. MP120
MPS.2/SW (Ex)i	Cat. No. MP130
disconnect with cross-connection possibility	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 18 A / A3	
600 V / 20 A / 20-12 AWG / 0,6 Nm	
-	
6 kV / 3	
8	
0,4 / 0,8	
43 / 45 / 5,5	
51 / 45 / 5,5	
47 / 45 / 5,5	

MPS.2/SWP/GR	Cat. No. MP710GR
MPS.2/SWP	Cat. No. MP710
disconnect with cross-connection possibility	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
630 V / 18 A / A3	
600 V / 20 A / 20-12 AWG / 0,6 Nm	
-	
6 kV / 3	
8	
0,4 / 0,8	
43 / 45 / 5,5	
51 / 45 / 5,5	
47 / 45 / 5,5	

MPS.2/SV	Cat. No. MP220
disconnect lever with 1 screw and 1 solder connect.	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
500 V (*) / 18 A / A3	
300 V / 20 A / 20-12 AWG / 0,6 Nm	
-	
4 kV / 3	
8	
0,4 / 0,8	
43 / 60 / 5,5	
51 / 60 / 5,5	
47 / 60 / 5,5	

APPROVALS



+ other approvals referred to MPS.2/SW standard version



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	rosso, blu o bianco
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
MPS.2/PT (Ex)i	MP131
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
PSD/K	PD011
SDD/1	DD001
SNZ/5	SN001
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
PSD/K	PD011
SDD/1	DD001
SNZ/5	SN001
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

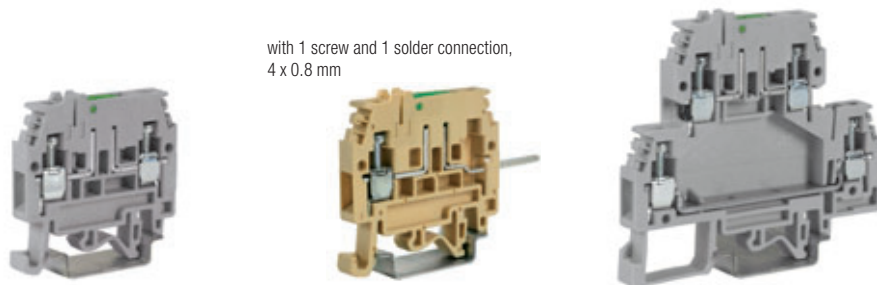
Type	Cat. No.
-	
MPS.2/PT	MP121
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
PSD/K	PD011
SDD/1	DD001
SNZ/5	SN001
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- "Easy Bridge" system: multi-pole cross-connection without the need of additional protection

The /GR tag indicates the grey colour version.



with 1 screw and 1 solder connection,
4 x 0.8 mm

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)			
MPS.4	PTC/4	400	400	400	400
DSS.4	PTC/4	400	400	400	400

NEW	grey version
	beige version
	(Ex)i version
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

MPS.4/GR	Cat. No. MP950GR
MPS.4	Cat. No. MP950
MPS.4/SW (Ex)i	Cat. No. MP960
disconnect lever	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 24 A / A4	
600 V / 24 A / 26-10 AWG / 0,5 Nm	
-	
6 kV / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	



MPS.4/VS	Cat. No. MP930
disconnect lever with 1 screw and 1 solder connect.	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 20 A / A4	
600 V / 24 A / 26 ÷ 10 AWG / 0,5 Nm	
-	
4 kV / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	



DSS.4/GR	Cat. No. DS400GR
DSS.4	Cat. No. DS400
2 levels, with upper disconnect level	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
400 V / 24-32 A (*) / A4	
300 V / 24-32 A / 26-10 AWG / 0,5 Nm	
-	
4 kV / 3	
9	
0,5 / 1,2	
68 / 78 / 6	
75 / 78 / 6	
72 / 78 / 6	



Type	Cat. No.
MPS.4/PT/GR	MP901GR
MPS.4/PT	MP901
MPS.4/PT (Ex)i	MP902
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
DFU/3	DU03..
DFM/500	DF500
-	
SNZ/60	SN007
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
MPS.4/PT	MP901
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
DFU/3	DU03..
DFM/500	DF500
-	
SNZ/60	SN007
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

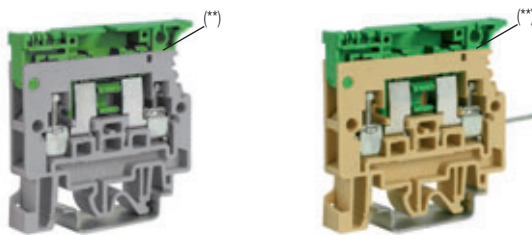
Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/500	DF500
-	
SNZ/60	SN007
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

(*) values referred to the upper and lower conducting body, respectively

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- disconnect with special connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

1 screw and 1 4 x 0.8 mm solder connection



Ø 5 x 20 mm C0/5 conducting element
- in tin plated brass to be inserted in the lever

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



Terna LV 27/6 Enel Distributione DV 27/6 + other
approvals referred to standard version

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Manopola di manovra	
Brass conducting cylinder	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

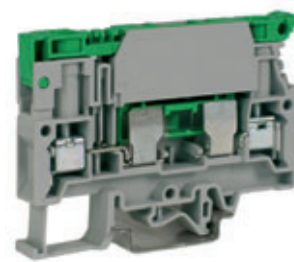
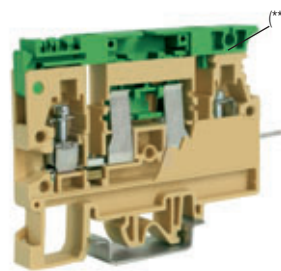
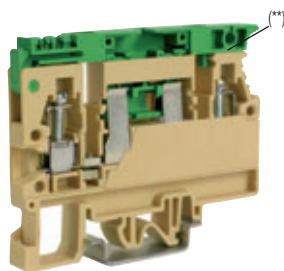
Type	Cat. No.
SFR.4/PT/GR	SF701GR
SFR.4/PT	SF701
SFR.4/PT (Ex)i	SF801
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
-	
C0/5	VL103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
SFR.4/PT	SF701
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
-	
C0/5	VL103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass conducting element to be inserted in the lever
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

with possibility to perform cross connections both upstream and downstream the disconnection point



Ø 5 x 20 mm CO/5 conducting element
- in tin plated brass to be inserted in the lever

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



approvals referred to SFR.4 standard version



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
MSM handle	
Brass conducting cylinder	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
SFO/PT	SF401
SFO/PT (Ex)i	SF601
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
24	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
PSD/J	PD014
SDD/1	DD001
SNZ/8	SN004
CO/5	VL103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

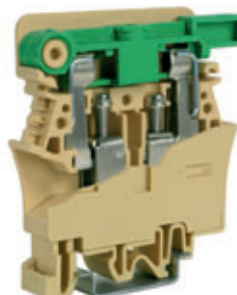
Type	Cat. No.
SFO/PT	SF401
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
PSD/J	PD014
SDD/1	DD001
SNZ/8	SN004
CO/5	VL103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (*)	PTC2002
PTC/20/03 poles	PTC2003
PTC/20/05 poles	PTC2005
PTC/20/10 poles	PTC2010
PTC/20/00 (25 poles)	PTC2000
25	
DFU/7	DU07..
DFM/300	DF300
SDD/1	DD001
SNZ/10	SN010
CO/5	VL103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- slide link disconnect
- possibility to perform cross-connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

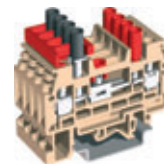


Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams



Ø 6.3 x 32 mm SFC/CO conducting element
- in tin plated brass to be inserted in the lever

SCB.4 terminal blocks with short-circuit plates and test plugs



The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.6/GR	Cat. No. SR300GR
SFR.6	Cat. No. SR300
SFR.6 (Ex)i	Cat. No. SR400
disconnect	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
630 V / 33 A (with SFC/CO) / A5	
600 V / 10 A / 20-8 AWG / 1,4 Nm	
-	
6 kV / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

FPC.10	Cat. No. FP100
disconnect	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
800 V / 20 A (with SFC/CO) / B6	
600 V / 15 A / 20-6 AWG / 0,79 Nm	
-	
6 kV / 3	
17	
1,2 / 1,9	
70 / 63 / 12	
74 / 63 / 12	
78 / 63 / 12	

SCB.4/GR	Cat. No. SB300GR
SCB.4	Cat. No. SB300
disconnect by slide-link	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 20 A / 20-12 AWG / 4,4 lb.in.	
-	
8 kV / 3	
9	
0,5 / 1,2	
44 / 58 / 6,5	
52 / 58 / 6,5	
48 / 58 / 6,5	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
(*) intrinsically IPXXB protected once mounted	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Numbering strip	
Brass conducting cylinder	
Screw and sleeve for short circuit plates	
MSM handle	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (*)	PTC2002
PTC/20/03 poles	PTC2003
PTC/20/05 poles	PTC2005
PTC/20/10 poles	PTC2010
PTC/20/00 (25 poles)	PTC2000
25	
-	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
-	
SNZ/10	SN010
-	
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	
-	
-	
-	
-	
-	
DFU/6	DU06..
-	
-	
SDD/2	DD002
-	
-	
SFC/CO	FC102
-	
MSM (6 elements)	FC103
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SCB.4/PT/GR	SB301GR
SCB.4/PT	SB301
PM/40/2 poles	PM402
PM/40/3 poles	PM403
PM/40/5 poles	PM405
PM/40/10 poles	PM410
32	
POS/12	POS12
-	
PMP/42	PMP42
CPM/12	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/6-SDD/1	DD006-DD001
SCB/4/PO/2	SB303
SCB/4/PO/4	SB304
SNZ/65	SN006
-	
SCB/4/CPM	SB305
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Terminal blocks for test and measurement circuits

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

In SCB.6 type terminal block, the use of special cross-connections, formed by

SCB/6/PO/2 (between 2 adjoining terminal blocks)



or **SCB/6/PO/4** (between 4 adjoining terminal blocks)



and by the relevant **SCB/6/CPM** shunting screws



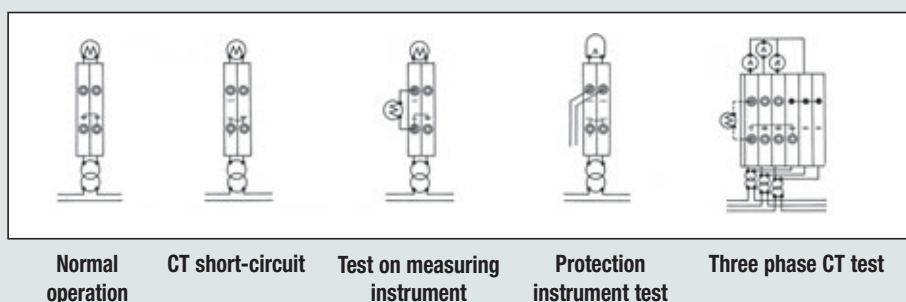
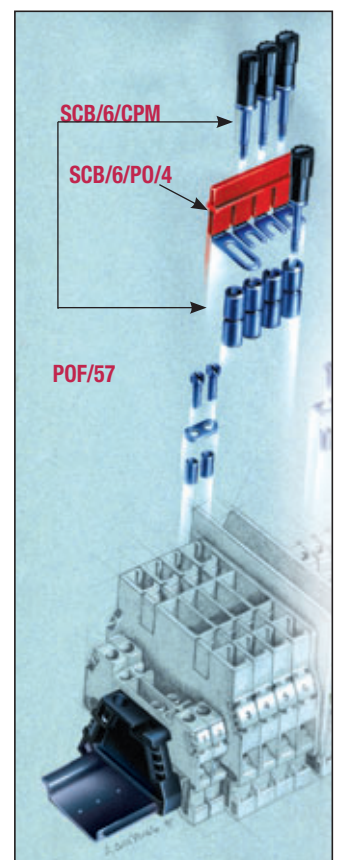
allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position from the outside; they do not require the insertion of further partitions to separate them from other adjoining cross-connections or terminal blocks, due to the special shape of the insulating body of the terminal block itself.

SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the disconnection, sockets for test plugs, suitable for the withdraw of signals.

In particular the shunts can take place:

- on **SCB/CPM** shunting screws of the short-circuit plates
- on **PSD/P** socket to be screwed directly into the conducting body of the terminal block, in order to perform the shunting function.

The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy spotting of the slide-link itself.

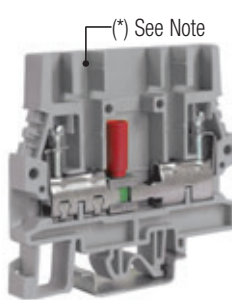


Terminal blocks for test and measurement circuits

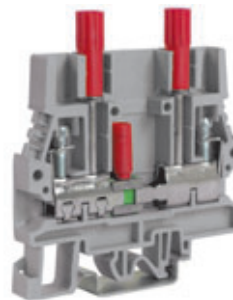
with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

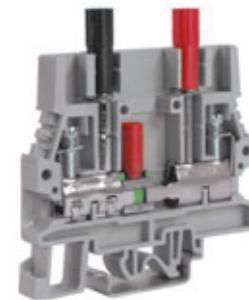
The /GR tag indicates the grey colour version.



(*) For the simple cross-connection between adjoining terminal blocks the multiple common bar shall be used together with cross-connection screw and sleeves. The interposing barrier located in the insulating body of the terminal block shall be removed with the aid of a cutter



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** downstream and upstream the slide link, conforming to ENEL LV27/3 specification



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** upstream and a **short circuit sleeve downstream the slide link** (for short circuit plates type SCB/6/PO/2 or SCB/6/PO/4, supplied separately), conforming to ENEL LV27/2 specification

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Brass conducting cylinder	
Screw and sleeve	
Screw and sleeve with red socket	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SCB.6/GR	Cat. No.	SB200GR
SCB.6	Cat. No.	SB200
disconnect by slide-link		
6		
0,5 ÷ 10		
0,5 ÷ 10		
6 - WP60/20		
800 V / 41 A / A5		
600 V / 47 A / 20-8 AWG / 13,3 lb.in.		
-		
8 KV / 3		
12		
0,8 / 1,4		
65 / 69 / 8		
73 / 69 / 8		
68 / 69 / 8		



SCB.6/DD/GR	Cat. No.	SB210GR
SCB.6/DD	Cat. No.	SB210
disconnect by slide-link special configuration for voltmeteric circuits		
6		
0,5 ÷ 10		
0,5 ÷ 10		
6 - WP60/20		
800 V / 41 A / A5		
-		
8 KV / 3		
12		
0,8 / 1,4		
76 / 69 / 8		
84 / 69 / 8		
79 / 69 / 8		



Other approvals referring to terminal block SCB.6

SCB.6/CD/GR	Cat. No.	SB220GR
SCB.6/CD	Cat. No.	SB220
disconnect by slide-link special configuration for amperometric circuits		
6		
0,5 ÷ 10		
0,5 ÷ 10		
6 - WP60/20		
800 V / 41 A / A5		
-		
8 KV / 3		
12		
0,8 / 1,4		
77 / 69 / 8		
85 / 69 / 8		
80 / 69 / 8		



Other approvals referring to terminal block SCB.6

Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
PSD/P	PD015
SDD/2	DD002
SNZ/8	SN004
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8-CSC	NU...CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

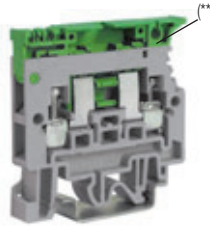
Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
SDD/2	DD002
SNZ/8	SN004
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8-CSC	NU...CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	
POF/57	POF57
-	
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	
SDD/2	DD002
SNZ/8	SN004
-	
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
-	
SCB/6/CPM/R	SB205R
CNU/8-CSC	NU...CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Diode-holders

with UL94V-0 polyamide insulating body

- for 1 A diodes (1N4001 ÷ 1N4007 types)
- for 3 A diodes (BY 255 type)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / insert with 1A diode	
Cartridge / insert with 3A diode	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

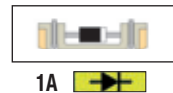
(*) value referred to the insulation characteristics of the terminal block

SFR.4/GR	Cat. No. SF900GR
SFR.4	Cat. No. SF900
SFR.4 (Ex)i	Cat. No. SF850
for 1 A or 3 A diodes	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V (*) / 1 (3) A / A4	
-	
6 KV (*) / 3	
11	
0,5 / 1,2	
52 / 52 / 8	
60 / 52 / 8	
56 / 52 / 8	

Approvals referring to standard version (see page 32)

Type	Cat. No.
SFR/PT/GR	SF701GR
SFR/PT	SF701
SFR/PT (Ex)i	SF801
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
-	
-	
SFR/I1A (with 1 A diode)	SF992
SFR/I3A (with 3 A diode)	SF993
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

The SFR/I1A or SFR/3A inserts are supplied as an accessory and are to be mounted in the lever of SFR.4 terminal block, in order to transform it in diode-holder



1A

SFR/I1A Cat. No. SF992
insert **provided** with 1 A diode and yellow label bearing the diode symbol, to be applied on the diode-holder lever respecting the sense of current flow



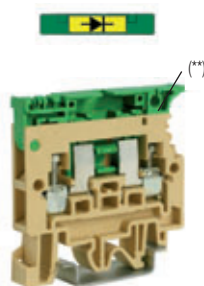
3A

SFR/I3A Cat. No. SF993
insert **provided** with 3 A diode and yellow label bearing the diode symbol, to be applied on the diode-holder lever respecting the sense of current flow

Diode-holders

with UL94V-0 polyamide insulating body

- with 1 A / 3 A diodes
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The terminal block is supplied with the following types of diodes mounted:

- 1 A (1N4007 type) SFR.4/D1 A
- 3 A (BY 255 type) SFR.4/D3 A

(*) value referred to the insulation characteristics of the terminal block

standard version

TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFR.4/D1A

Cat. No. **SF901**

SFR.4/D3A

Cat. No. **SF903**

with 1 A or 3 A diodes

4

0,2 ÷ 6

0,2 ÷ 6

4 - WP40/16

800 V (*) / 1 (3) A / A4

-

6 KV (*) / 3

11

0,5 / 1,2

52 / 52 / 8

60 / 52 / 8

56 / 52 / 8



1A SFR.4/D1A



3A SFR.4/D3A

SFR.4/D lever

APPROVALS

Approvals referring to standard version
(see page 32)

ACCESSORIES

End sections	beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	
Marking tag	printed or blank
End bracket	

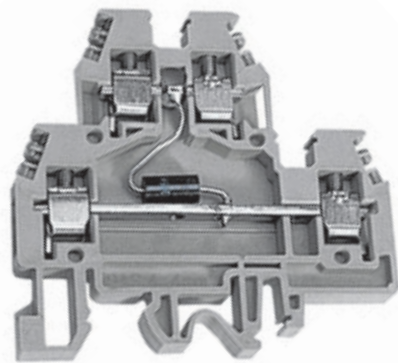
Mounting rail according to IEC 60715 Std.

Type	Cat. No.
SFR.4/PT	SF701
-	
-	
-	
-	
-	
DFU/3	DU03..
-	
-	
SNZ/8	SN004
F5	FN...
-	
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

With electronic components

with UL94V-0 polyamide insulating body

- with cross-connection possibility
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675. 1989
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS 4/D... type terminal blocks, with suppresser diodes inserted as in **diagram 3**, restrict voltage peaks due to surges, electrostatic discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test) standards.

The suppresser diodes have a response time (< 1 ns) which is much lower than that of the varistors (approximately 25 ns) and a lower and more accurate response voltage, although compared to varistors they withstand lower discharge currents.

The high precision of the trip voltage and the high speed make them suitable for protecting I/O signal inputs of industrial PLC's, DCS's and PCs against discharge current and voltage interference below 500 A pulse 8/20 ms. This type of interference is usually caused by the normal operation of the actual systems due to switching of high inductive loads, dispersed currents, faults etc.

The range of models available provides a choice between rated voltages suitable for protecting signals with standard voltages of 5 V dc, 12 V dc, 24 V dc and 60 V dc.

The **DAS 4/D...**, connected as shown in **diagram 4**, provides effective protection against differential mode interference for inputs and outputs of industrial PLCs, DCSs and PCs, signal conditioners and sensors, and also for stabilised continuous voltage power supply units of electronic equipment in general.

The **DAS 4/D...**, does not have a signal wiring direction to observe and the positive and negative polarity connection can be carried out at both the upper and lower level.

Differential mode interference (diagram 5): generates a strong difference in potential between the two positive and negative signal conductors of the pair or power supply unit and, being applied directly to the input/output circuits of the equipment, always causes a fault in the same.

Differential mode interference (diagram 6): generates a strong difference in potential between the two conductors of a signal or power supply unit and the reference earth. It is less destructive than differential mode interference.

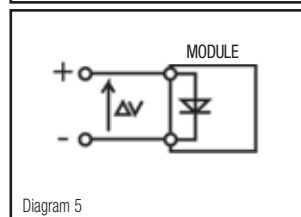
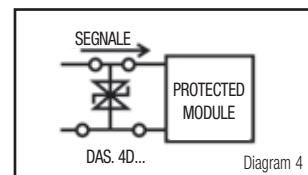
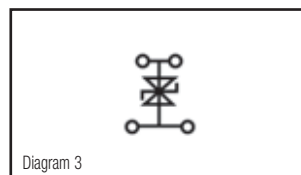
Caution: the installation of devices for protection against power surges with varistors, diodes and other components between signal and/or power supply conductors and the protection earth reduces the isolation voltage to approximately the value V of breakdown of the discharger used. To carry out isolation tests on the equipment disconnect the dischargers (standard CEI EN60950).

grey version	
beige version	
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

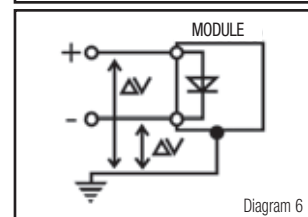
DAS.4/6/D.../GR	
DAS.4/6/D...	
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
-	
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PRO01
PR/DIN/AS same with slots	PRO04
PR/DIN/AL of aluminium	PRO02
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

Note for wiring: wiring of the power surge protection devices greatly influences their actual efficacy and we recommend following the instructions below:

- the protection device must be placed as close as possible to the equipment to be protected;
- the connection wires must be as short and straight as possible, interwoven with each other and with the largest possible cross section;
- the earth conductors between common mode dischargers and the equipotential busbar must be as short as possible and with the largest possible cross section and their path must not be parallel to other conductors. The earth of the protected equipment must be connected to the same earth of its discharger and from there to the general protection earthing.



Differential mode interference. The potential difference is applied between positive and negative poles of the power supply signal.

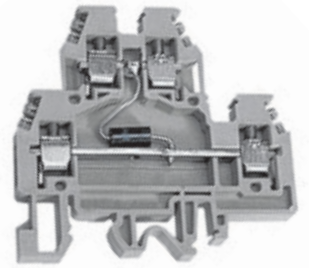


Common mode interference. The potential difference is applied between the poles of the signal/power supply unit and the earth.

With electronic components

with UL94V-0 polyamide insulating body

- with cross-connection possibility on lower level
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



(*) values referred to the characteristics of the connection

The /GR tag indicates the grey colour version.

NEW grey version		DAS.4/D.../GR
beige version		DAS.4/D...
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type		2 levels with suppresser diode
rated cross-section	(mm ²)	4
connecting capacity		
flexible	(mm ²)	0,2 ÷ 6
rigid	(mm ²)	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type		4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value	UL	-
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length	(mm)	9
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2
height / width / thickness	TH/35 7,5 mm	62 / 64 / 6
height / width / thickness	TH/35 15 mm	70 / 64 / 6
height / width / thickness	G32	66 / 64 / 6

APPROVALS



Altre approvazioni riferite alla versione base DAS.4

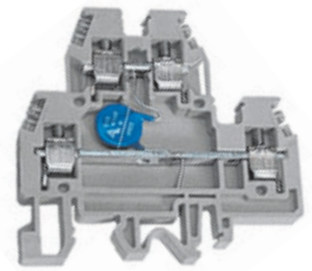
TECHNICAL DATA	DAS.4/D5/GR Cat. No. DSD005GR	DAS.4/D12/GR Cat. No. DSD012GR
	DAS.4/D5 Cat. No. DSD005	DAS.4/D12 Cat. No. DSD012
Rated voltage	5	12
Vdc max. (Vcc)	6,45	15,2
Vac max.	-	-
Breakdown voltage (1 mA)	6,8 V ± 5%	16 V ± 5%
Max clamping voltage (V)	11	23
Response time	< 1 ns	< 1 ns
Isc pulse 8/20 µs (A)	750	350
C (1 kHz)	5 nF	3 nF

TECHNICAL DATA	DAS.4/D24/GR Cat. No. DSD024GR	DAS.4/D60/GR Cat. No. DSD060GR
	DAS.4/D24 Cat. No. DSD024	DAS.4/D60 Cat. No. DSD060
Rated voltage	24	60
Vdc max. (Vcc)	28,5	77,9
Vac max.	-	-
Breakdown voltage (1 mA)	30 V ± 5%	82 V ± 5%
Max clamping voltage (V)	41	113
Response time	< 1 ns	< 1 ns
Isc pulse 8/20 µs (A)	160	70
C (1 kHz)	1,5 nF	0,6 nF

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits with varistor
- cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 KV, II (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS.4V... type terminal blocks with varistor inserted as in **diagram 1**, restrict voltage peaks due to surges, indirect atmospheric discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the standards EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test).

The varistors have a response time (20-25 ns) which is longer than that of the suppresser diodes (< 1 ns) and a higher response voltage, although they withstand much higher discharge currents. The high discharge current makes them suitable for uses with strong transients, with currents up to 4500 A pulse 8/20 ms.

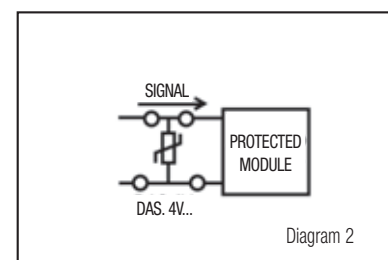
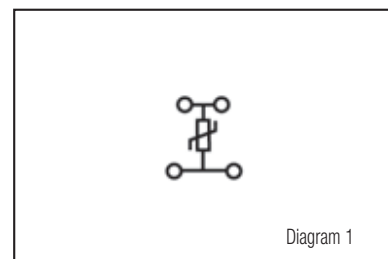
The range of models available provides a choice between rated voltages suitable for protecting both signals and power supply units with standard voltages of 24 V dc and 48 V dc or for power supply voltages of 120 V ac and 230 V ac.

The **DAS.4V...**, connected as shown in diagram 2, provides effective protection against differential mode interference for inputs and outputs of industrial PLC's, DCS's and PC's, signal conditioners and sensors, and also for power supply units of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to observe and the positive and negative polarity connection is carried out at both the upper and lower level.

The **/GR** tag indicates the grey colour version.

grey version		DAS.4/V.../GR
beige version		DAS.4/V...
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type		2 levels with varistor
rated cross-section (mm²)		4
connecting capacity		
flexible (mm²)		0,2 ÷ 6
rigid (mm²)		0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1		630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value UL		-
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length (mm)		9
tightening torque value (test / recommended) (Nm)		0,5 / 1,2
height / width / thickness TH/35 7,5 mm		62 / 64 / 6
height / width / thickness TH/35 15 mm		70 / 64 / 6
height / width / thickness G32		66 / 64 / 6



APPROVALS



Other approvals referring to DAS.4 standard version

TECHNICAL DATA	DAS.4/V24/GR	DAS.4/V48/GR	DAS.4/V120/GR	DAS.4/V230/GR
	Cat. No. DSV024GR	Cat. No. DSV048GR	Cat. No. DSV120GR	Cat. No. DSV230GR
Rated voltage	24	48	120	230
Vdc max. (Vcc)	31	85	180	350
Vac max.	25 Vac	60 Vac	140 Vac	275 Vac
Breakdown voltage (1 mA)	39 V ± 10%	100 V ± 10%	220 V ± 10%	430 V ± 10%
Max clamping voltage (V)	77 V	165 V	360 V	710 V
Response time	< 25 ns	< 25 ns	< 25 ns	< 25 ns
Isc pulse 8/20 µs (A)	500	2500	2500	2500
C (1 kHz)	4600 pF	1650 pF	610 pF	320 pF

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS. 4/B; other versions only on lower level)
- available in grey RAL 7042 and beige RAL 1001 colours



DAS.4/C terminal block

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

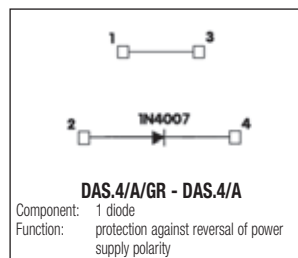
APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	red, blue o white
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

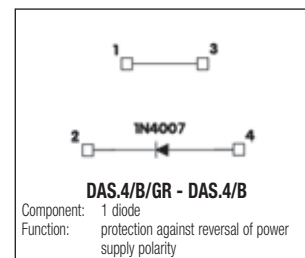
DAS.4/.../GR	
Cat. No.	DS...GR
DAS.4/...	
Cat. No.	DS...
2-level component-holder	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / - / A4	
-	
8 kV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

Approval referring to DAS.4 standard version

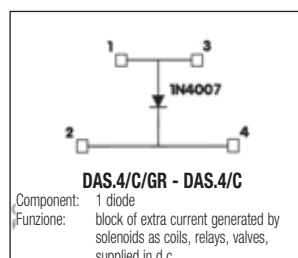
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
-	
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PRO01
PR/DIN/AS same with slots	PRO04
PR/DIN/AL of aluminium	PRO02
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05



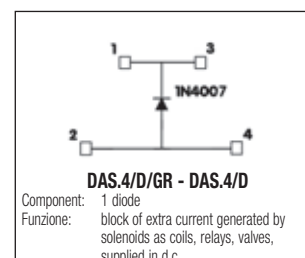
Cat. No. DS111GR - DS111



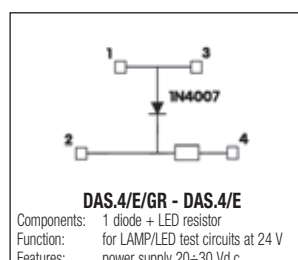
Cat. No. DS112GR - DS112



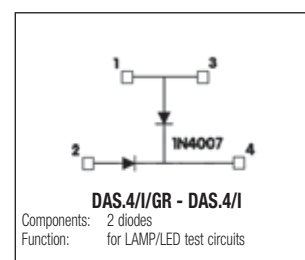
Cat. No. DS113GR - DS113



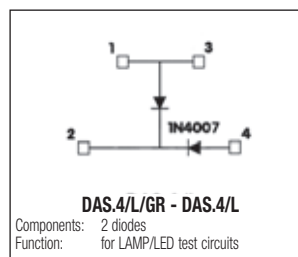
Cat. No. DS114GR - DS114



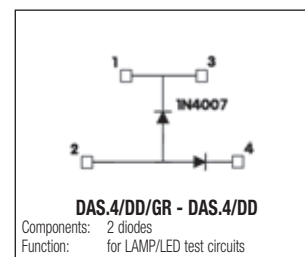
Cat. No. DS115GR - DS115



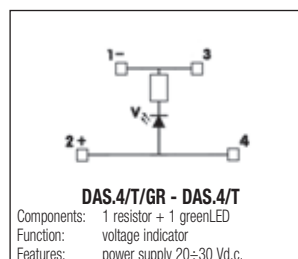
Cat. No. DS119GR - DS119



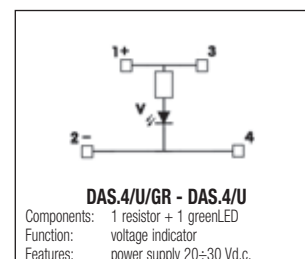
Cat. No. DS130GR - DS130



Cat. No. DS120GR - DS120



Cat. No. DS128GR - DS128



Cat. No. DS129GR - DS129

(*) The voltage and current ratings given for the various versions are based on the various type of components and to their connections.

With special connections

with UL94V-0 polyamide insulating body

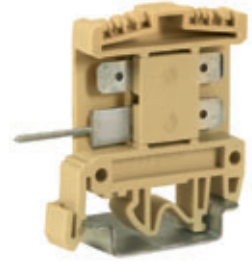
- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760



6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760



with 1.6 x 0.8 mm lug
for wrapped wire connections

AF0.2/2+2/TPM Cat. No. AF420
with 2,4 x 0.8 mm lug for wrapped
wire connections

beige version	AF0.2/1+1 Cat. No. AF500	AF0.2/2+2 Cat. No. AF400	AF0.2/2+2/TP Cat. No. AF410
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through with push-on tab connections - separate levels	feed-through with push-on tab connections	feed-through with push-on tab connections and lug
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	up to 2,5	up to 2,5	up to 2,5
rigid (mm²)	-	-	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	630 V / 20 A / -	320 V / 10 A / -
rated voltage / rated current / AWG / tightening torque value UL	300 V / 15 A / -	600 V / 15 A / -	-
(Ex e) rated voltage  /  (V)	-	-	-
rated impulse withstand voltage / pollution degree	4 kV / 3	6 kV / 3	4 kV / 3
insulation stripping length (mm)	-	-	-
tightening torque value (test / recommended) (Nm)	-	-	-
height / width / thickness  TH/35 7,5 mm	49 / 44 / 6,5	49 / 44 / 6,5	49 / 59 / 6,5
height / width / thickness  TH/35 15 mm	57 / 44 / 6,5	57 / 44 / 6,5	57 / 59 / 6,5
height / width / thickness  G32	52 / 44 / 6,5	52 / 44 / 6,5	52 / 59 / 6,5

APPROVALS



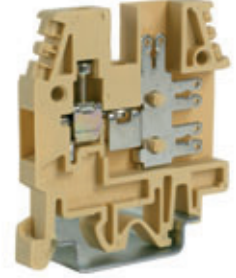
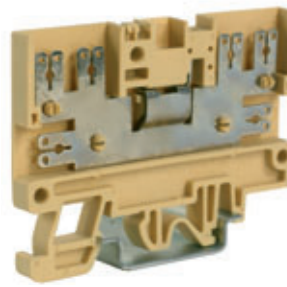
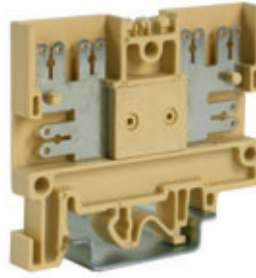
Approvals referring to terminal block type AF0.2/2+2

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections  grey  beige  blue	AF0/PT	AF201	AF0/PT	AF201	AF0/PT	AF201
Permanent cross connection	-		-		-	
Switchable cross connection	-		-		-	
Multiple common bar 250 mm	-		-		-	
Shunting screw and sleeve	-		-		-	
Coloured partition red, green, white	DFU/1	DU01..	DFU/1	DU01..	DFU/1	DU01..
Cross connection barrier red	-		-		-	
Test plug socket	-		-		-	
Test plug	-		-		-	
Numbering strip	SNZ/65	SN006	SNZ/65	SN006	SNZ/65	SN006
Cover for cross-connection	-		-		-	
Warning plate	-		-		-	
Marking tag printed or blank	CNU/8-CSC	NU...-CS...	CNU/8-CSC	NU...-CS...	CNU/8-CSC	NU...-CS...
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC for PR/DIN and PR/3	PR003	PR/3/AC for PR/DIN and PR/3	PR003	PR/3/AC for PR/DIN and PR/3	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

With special connections

with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours (where indicated)



Cross-connection possibility

6.3 x 0.8 mm, or 2.8 x 0.8 mm,
flat push-on tab connections
acc. to standard IEC 60760

6.3 x 0.8 mm, or 2.8 x 0.8 mm,
flat push-on tab connections
acc. to standard IEC 60760

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

PDF.2	
Cat. No.	PF100
feed-through with push-on tab connections	
2,5	
up to 2,5	
-	
630 V / 20 A / -	
600 V / 16 A / 20-10 AWG	
-	
6 kV / 3	
-	
-	
50 / 57 / 6,5	
58 / 57 / 6,5	
54 / 57 / 6,5	

FDP.2/GR	
Cat. No.	FD100GR
FDP.2	
Cat. No.	FD100
feed-through with push-on tab connections	
2,5	
up to 2,5	
-	
800 V / 20 A / -	
600 V / 16 A / 20-10 AWG	
-	
8 kV / 3	
-	
-	
49 / 65,5 / 6,5	
57 / 65,5 / 6,5	
53 / 65,5 / 6,5	

CVF.4	
Cat. No.	CV100
CVF.4 (Ex)i	
Cat. No.	CV200
feed-through, 1 screw + 3-push-on connections	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 20 A / A4	
600 V / 20 A / 20-12 AWG / 0,5 Nm	
-	
8 kV / 3	
11	
-	
52 / 48,5 / 6	
60 / 48,5 / 6	
56 / 48,5 / 6	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Warning plate	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
PDF/PT	PF101
-	
-	
-	
DFU/5	DU05..
-	
-	
SNZ/65	SN006
-	
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

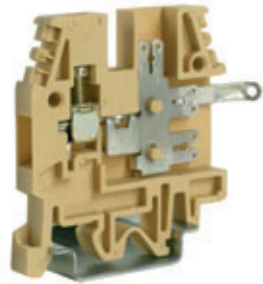
Type	Cat. No.
FDP/PT/GR	FD101GR
FDP/PT	FD101
PH/2,5-4	PH100
-	
-	
-	
DFU/5	DU05..
-	
-	
SDD/1	DD001
SNZ/60	SN007
-	
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CVF/PT	CV101
CVF/PT (Ex)i	CV201
PM/40/2 poles	PM402
PM/58/3 poles	PM583
PM/58/5 poles	PM585
PM/58/10 poles	PM580
-	
PMP/58	PMP58
CPM/12i	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/1	DD001
SNZ/60	SN007
-	
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

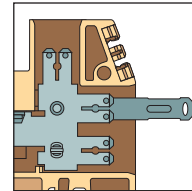
With special connections

with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- with solder lug or wire-wrap lug
- universal mounting onto both PR/DIN and PR/3 type rails
- according to IEC 60715 Std., "G32" and "TH/35" types

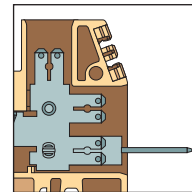


CVF.4/VS2 Cat. No. CV130
with two 4 x 0.8 mm solder lugs



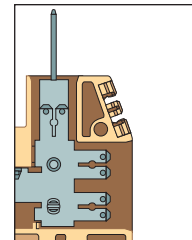
CVF.4/VS

with 4 x 0.8 mm solder lug



CVF.4/WW

with 1.6 x 0.8 mm wire-wrap lug, horizontally mounted



CVF.4/TP

with 1.6 x 0.8 mm wire-wrap lug, vertically mounted

beige version

TECHNICAL CHARACTERISTICS

function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CVF.4/VS

Cat. No. **CV110**

CVF.4/WW

Cat. No. **CV120**

CVF.4/TP

Cat. No. **CV140**

feed-through, 1 screw + spec. connections
4

0,2 ÷ 6
0,2 ÷ 6
4 - WP40/16

250 V / 20 A / A4

-

-

4 kV / 3

11

0,5 / 1,2

52 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

60 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

56 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

Approvals referring to terminal block type
CVF.4

APPROVALS

ACCESSORIES

End sections	beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
Warning plate	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
CVF/PT	CV101
-	
PM/40/2 poles	PM402
PM/58/3 poles	PM583
PM/58/5 poles	PM585
PM/58/10 poles	PM580
-	
PMP/58	PMP58
CPM/12	CPM12
DFU/3	DU03..
-	
PSD/A	PD001
SDD/1	DD001
SNZ/60	SN007
-	
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CF.12/1+1 multi-pole terminal board

with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)

- with beige or blue UL94V-0 polyamide insulating body

CF.12/1+1 (without end section)	
Cat. No.	CF100
CF.12/1+1 (Ex)i	
Cat. No.	CFX10
CF.12/CPT (with end section)	
Cat. No.	CF900
CF.12/CPT (Ex)i	
Cat. No.	CFX90
TECHNICAL CHARACTERISTICS	
rated cross-section	2,5 mm ²
rated current (conf. to IEC 60947-7-1)	20 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3
ACCESSORIES	
Upper end section	of beige polyamide CF/PT
Upper end section	of blue polyamide CF/PT (Ex)i
Upper special end section	of polyamide CF/PTM
Insulating bushing	of beige polyamide CF/BI
M4 threaded tension rods	of zinc-plated steel CF/TR
Nut (bolt)	of polyamide CF/DD

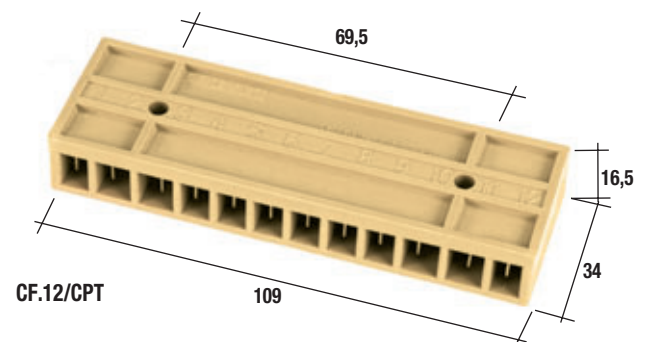
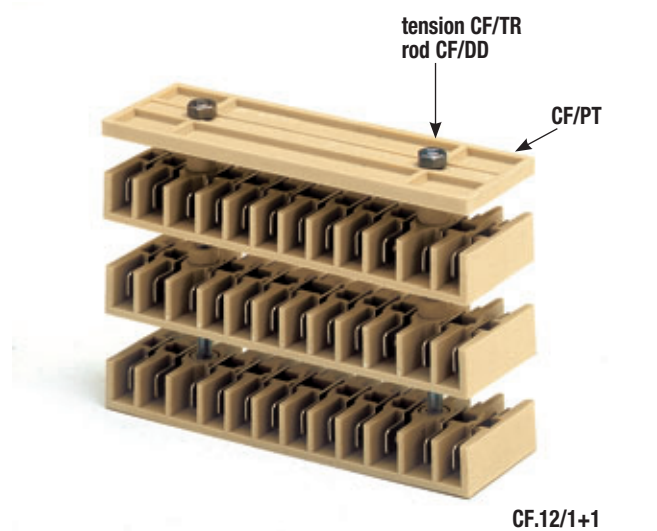
CF.12/1+1 terminal boards can be mounted independently or overlapped. In both cases the single terminal board or the one placed on top of the assembly shall be closed using a **CF/PT** end section (4 mm thickness). The fixing to the panel can take place by means of:

- screws of adequate length (**distance between the holes 69.5 mm**)
- M4 **threaded tension rods**

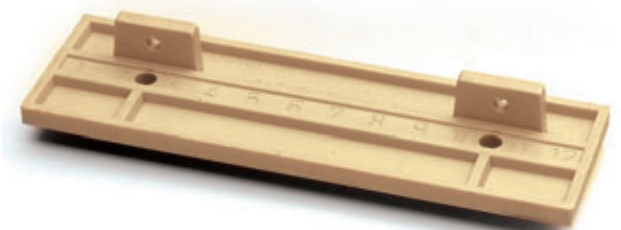
To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. No bushings are required between the terminal board and the end section as this element is already appropriately shaped.

The above mentioned end section has an engraved numbering from 1 to 12 for an easy identification of the poles.

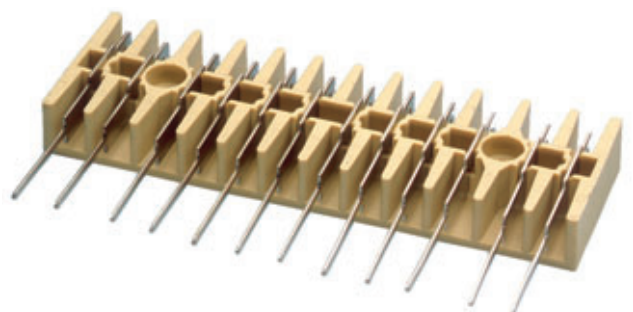
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel plating, or on request, silver coating (**CF.12/1+1/AG** Cat. No. CFA10).



CF/PTM (Cat. No. CF301)
Special end section to be mounted in grooving



CF.12/FW/CPT (Cat. No. CFW90)
Version equipped with flat push on tab connections on one side and wrapped wire on the other side
CF.12/FW/CPT (Ex)i (Cat. No. CFW99)

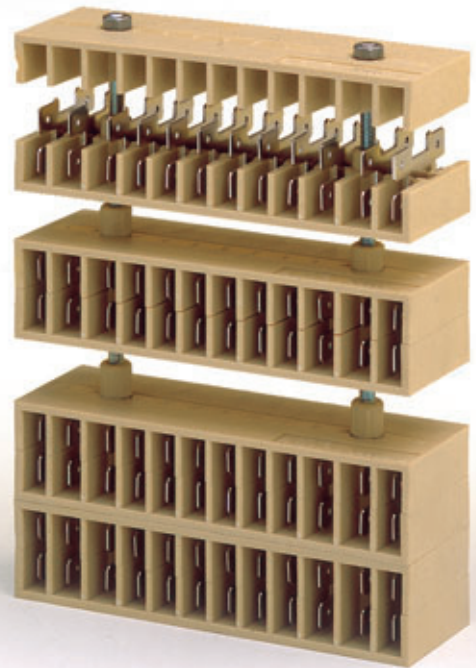


CF.12/2+2 multi-pole terminal board

con connessioni (2 x polo)
a spina piatta da 6,3 x 0,8 mm

- with beige or blue UL94V-0 polyamide insulating body

CF.12/2+2		Cat. No.	CF200
TECHNICAL CHARACTERISTICS			
rated cross-section	2,5 mm²		
rated current (conf. to IEC 60947-7-1)	20 A		
rated voltage (conf. to IEC 60947-7-1)	500 V		
rated impulse withstand voltage / pollution degree	6 kV / 3		
ACCESSORIES			
Insulating bushing	of polyamide CF/BI		
Reduced insulating bushing	of polyamide CF/BI		
M4 threaded tension rods	of zinc-plated steel CF/TR		
Nut (bolt)	of polyamide CF/DD		



CF.12/2+2 terminal boards can be mounted independently or overlapped. The fixing to the panel can take place by means of:

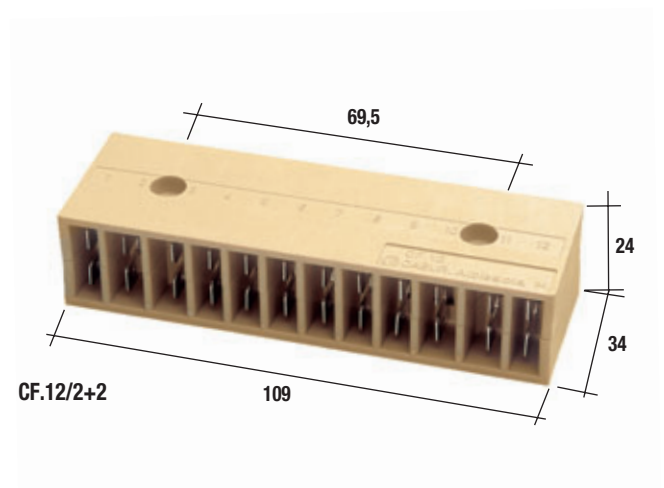
- screws of adequate length (**distance between the holes 69.5 mm**)
- M4 **threaded tension rods**

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. To allow a better tightening of the small **CF/DD nuts**, when using threaded tension rods, it is necessary to introduce in the holes of the upper terminal board the reduced **CF/BI bushings**.

CF.12/2+2 terminal boards have engraved numbering from 1 to 12 for an easy identification of the poles.

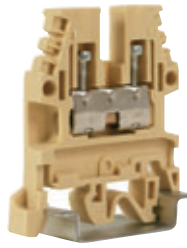
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel, or on request, silver coating (CF.12/2+2/AG Cat. No. CFA20).

Note: a version provided with eight 6.3 x 0.8 mm flat push-on tab connectors is available. **CF.08/2+2** Cat. No. **CF400**



With special connections

with UL94V-0 polyamide insulating body



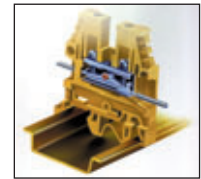
- for thermocouple circuits
- universal mounting onto both PR/DIN and PR/3 type rails
 - according to IEC 60715 Std., "G32" and "TH/35" types
- **CESI 02 ATEX 134 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

beige version		TC/PO	
		Cat. No.	TC500
(Ex)i version		TC/PO (Ex)i	
		Cat. No.	TC510
TECHNICAL CHARACTERISTICS			
function / type		for thermocouple circuits	
rated cross-section		-	
connecting capacity		-	
flexible		-	
rigid		thermocouples having 0,8 ÷ 1,3 mm diam.	
rated voltage / rated current / gauge		800 V / - / -	
rated voltage / rated current / AWG / tightening torque value		600 V / 15 A / 20-14 AWG / 0,6 Nm	
(Ex e) rated voltage		500 V / 630 V	
rated impulse withstand voltage / pollution degree		8 kV / 3	
insulation stripping length		20	
tightening torque value (test / recommended)		0,4 / 0,8	
height / width / thickness		47 / 40,5 / 5,5	
height / width / thickness		55 / 40,5 / 5,5	
height / width / thickness		51 / 40,5 / 5,5	

APPROVALS



ACCESSORIES		Type	Cat. No.
End sections	beige blue	CB2/PT	CB111
Permanent cross connection		CB2/PT (Ex)i	CBX13
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	DFU/1	DU01..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		-	
Numbering strip		SNZ/5	SN001
Cover for cross-connection		-	
Warning plate		-	
Marking tag	printed or blank	CNU/8-CSC	NU...-CS...
End bracket		BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
		PR/DIN/AC of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005



Terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, **thermocouple circuits of any type can be wired up without the intervention of any other compensation material.**

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those with different diameters, stripped of their insulating protection for a length of 20 mm. are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

With special connections

with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors
- double possibility of PTC – easy bridge multi-pole connection
- universal mounting onto both PR/DIN and PR/3 type rails
 - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours

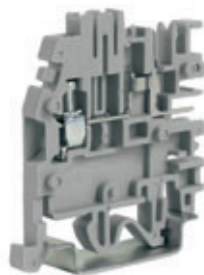
(*) current on the PCB connector pin

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

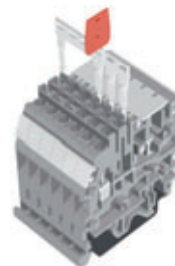
APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Diaframma separatore ponti	
Shunting screw and sleeve	
Coloured partition	red, green, white
Hollow partition	grey beige
Test plug socket	
Test plug	
Numbering strip	
Cover for cable lugs	
Flangia	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

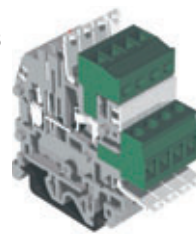


PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with PTC jumpers and barriers

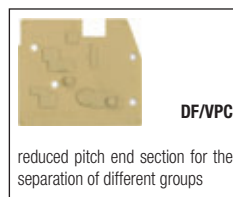
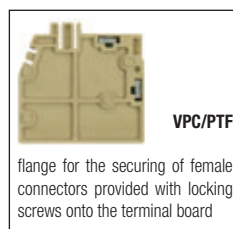


Detail with 5.08 mm female connectors and lug protection covers in up position



Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 - 2 poles	Cat. No. VP902
VPC/F03 - 3 poles	Cat. No. VP903
VPC/F04 - 4 poles	Cat. No. VP904
VPC/F05 - 5 poles	Cat. No. VP905
VPC/F06 - 6 poles	Cat. No. VP906
VPC/F07 - 7 poles	Cat. No. VP907
VPC/F08 - 8 poles	Cat. No. VP908
VPC/F09 - 9 poles	Cat. No. VP909
VPC/F10 - 10 poles	Cat. No. VP910
VPC/F11 - 11 poles	Cat. No. VP911
VPC/F12 - 12 poles	Cat. No. VP912
VPC/F13 - 13 poles	Cat. No. VP913
VPC/F14 - 14 poles	Cat. No. VP914
VPC/F15 - 15 poles	Cat. No. VP915
VPC/F16 - 16 poles	Cat. No. VP916



Type	Cat. No.
VPC/PT/GR	VP101GR
VPC/PT	VP101
VPC/PT (Ex)i	VP201
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
PTC/SP	PTC0990
-	
DFM/300	DF300
-	
DFU/5	DU05
DFU/VPC/GR	DU015GR
DFU/VPC	DU015
-	
SNZ/508	SN009
VPC/VT	VP102
VPC/PTF	VP303
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

For the fixing of the conductor in an even more secure way, it is possible to use connectors provided with locking screws, located on the sides of the connector itself. In this case it is necessary to insert on to both sides of the assembled VPC.2 terminal blocks a **VPC/PTF** (Cat. No. VP103) flange. In the case that an assembly composed in such a way has a flange with external connecting pins, it is necessary to add a **VPC/PT** (Cat. No. VP101) end section, or to remove the external pins with a cutter. For safety reasons, the connectors must not be handled under load. The use of **DF/VPC** (Cat. No. DU015) barrier, for the physical separation of the different groups of terminal blocks, does not avoid the possibility to perform cross-connections.

The terminal block is available also in the version equipped with signal circuit (VPC.2/L024). In this case a common bar (dimension 7 x 1 x 250 mm), for the common return of a LED (red colour - 24 V), must be inserted in the appropriate housing on the side of the group of adjoining terminal blocks and connected by means of a feeding terminal block - VPC.2(Ex)i/D (Cat. No. VPC200). The **VPC.2(Ex)i/D** feeding terminal block is a version of terminal block type VPC.2(Ex)i, equipped with a type 1N4007 diode.

A transparent cover in order to prevent accidental contacts on the pins is supplied as an accessory (**VPC/VT** - Cat. No. VP102) in 10-pole bars; it can be easily separated into the desired number of poles. The cover is inserted by clip fixing in the appropriate housing provided in the insulating body of the terminal block; the insertion point acts as a fulcrum for the rotation of the protection itself from the closed position (guaranteed by a clip) to the open position (for the insertion of the connector). It is manufactured in transparent material in order to ensure visibility of both the type of connection (in closed position) and the LED, in opened position, once the connector is inserted.

With special connections

with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors – two levels
- universal mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in grey RAL 7042 and beige RAL 1001 colours

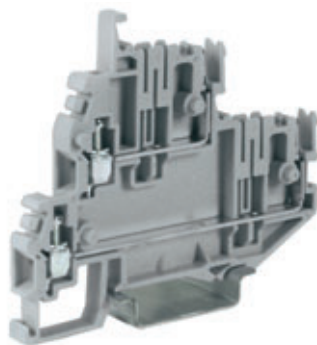
(*) current on the PCB connector pin

The /GR tag indicates the grey colour version.

NEW grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

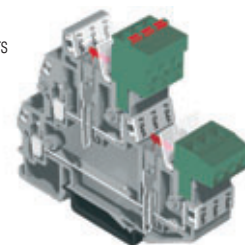
APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	
Test plug socket	
Test plug	
Numbering strip	
Cover for cable lugs	
Flange	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with 5.08 mm female connectors inserted on the two levels, the lug protection covers raised and the PTCs inserted on the two levels.



Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 - 2 poles	Cat. No. VP902
VPC/F03 - 3 poles	Cat. No. VP903
VPC/F04 - 4 poles	Cat. No. VP904
VPC/F05 - 5 poles	Cat. No. VP905
VPC/F06 - 6 poles	Cat. No. VP906
VPC/F07 - 7 poles	Cat. No. VP907
VPC/F08 - 8 poles	Cat. No. VP908
VPC/F09 - 9 poles	Cat. No. VP909
VPC/F10 - 10 poles	Cat. No. VP910
VPC/F11 - 11 poles	Cat. No. VP911
VPC/F12 - 12 poles	Cat. No. VP912
VPC/F13 - 13 poles	Cat. No. VP913
VPC/F14 - 14 poles	Cat. No. VP914
VPC/F15 - 15 poles	Cat. No. VP915
VPC/F16 - 16 poles	Cat. No. VP916

VPD.2/GR	
Cat. No.	VP500GR
VPD.2	
Cat. No.	VP500
VPD.2 (Ex)i	
Cat. No.	VP560
2 level feed-through with 2 screw connections and 2 pins for connectors 2,5	
0,2 ÷ 4	
0,2 ÷ 4	
-	
320 V / 24-12 (*) A / A3	
300 V / 15 A / 26-12 AWG / 3,5 lb.in.	
-	
4 kV / 3	
9	
0,4 / 0,8 (screw connection)	
64 / 74 / 5,08	
72 / 74 / 5,08	
- / - / -	



KEMA-KEUR pending

Type	Cat. No.
VPD/PT/GR	VP501GR
VPD/PT	VP501
VPD/PT (Ex)i	VP561
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
PTC/SP	PTC0990
-	
DFU/7	DU07
DFM/300	DF300
-	
SNZ/508	SN009
VPD/VT	VP502
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BT0 for PR/3 only	BT003-BT007
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAC Series

with UL94V-0 polyamide insulating body

- to be used with modular CAM connectors
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



Version available with 2.8 x 0.8 mm solder lug
MAC.6/VS Cat. No. MA500



Our F5 type Ø 5 x 20 mm - 250 V fuse (supplied separately) **without** pilot LED



Version without disconnect lever suitable for the permanent use with CAM modular connector

(*) Values referred to the characteristics of the insulating body

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

MAC.6	
Cat. No.	MA100
disconnect lever	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V (*) / 16 A / A5	
600 V (*) / 16 A / 20-10 AWG / 1,5 Nm	
-	
8 kV / 3	
14	
1,2 / 1,9	
65 / 83 / 8	
73 / 83 / 8	
69 / 83 / 8	

MAC.6/FS	
Cat. No.	MA410
for Ø 5 x 20 mm fuse	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V (*) / 6,3 A / A5	
600 V / 8 A / 20-10 AWG / 1,5 Nm	
-	
8 kV / 3	
14	
1,2 / 1,9	
72 / 83 / 8	
80 / 83 / 8	
76 / 83 / 8	

MAC.6/N	
Cat. No.	MA200
without disconnect lever for the use with CAM connector	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V (*) / 16 A / A5	
600 V (*) / 16 A / 20-10 AWG / 1,5 Nm	
-	
8 kV / 3	
14	
1,2 / 1,9	
63 / 77 / 8	
71 / 77 / 8	
67 / 77 / 8	

APPROVALS



Other approvals referred to MAC.6 standard version

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Test plug socket	
Test plug	
Pitching strip	
Ø 5 x 20 mm fuse	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
PIL/2 poles	PIL02
PIL/3 poles	PIL03
PIL/4 poles	PIL04
PIL/8 poles	PIL08
SDD/1	DD002
MAC/SPS	MA020
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

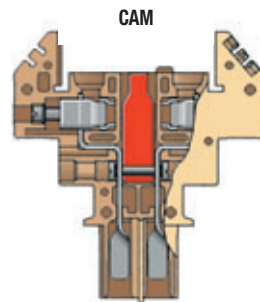
Type	Cat. No.
PIL/2 poles	PIL02
PIL/3 poles	PIL03
PIL/4 poles	PIL04
PIL/8 poles	PIL08
SDD/1	DD002
MAC/SPS	MA020
F5	FN...
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
PIL/2 poles	PIL02
PIL/3 poles	PIL03
PIL/4 poles	PIL04
PIL/8 poles	PIL08
SDD/1	DD002
MAC/SPS	MA020
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

CAM shunting elements

with polyamide insulating body

- used with MAC terminal blocks



standard version	
version with lock	
version with lock and pins	
TECHNICAL CHARACTERISTICS	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

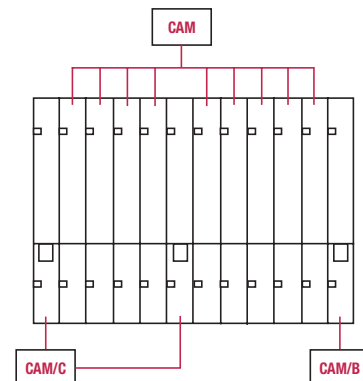
CAM	
Cat. No.	MA110
CAM/B	
Cat. No.	MA111
CAM/C	
Cat. No.	MA112
2,5	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 24 A / A3	
600 V / 16 A / 20-10 AWG / 1 Nm	
8 KV / 3	
12	
-	
-	
-	

APPROVALS

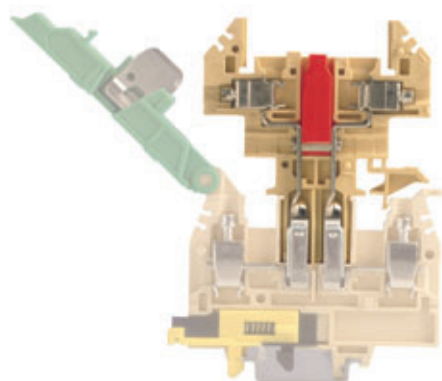
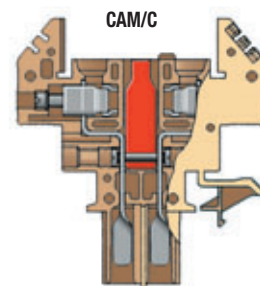
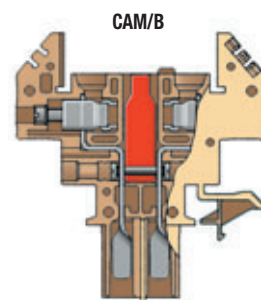


ACCESSORIES	
Shunting connection	beige
Pole lock	
Safety cover	

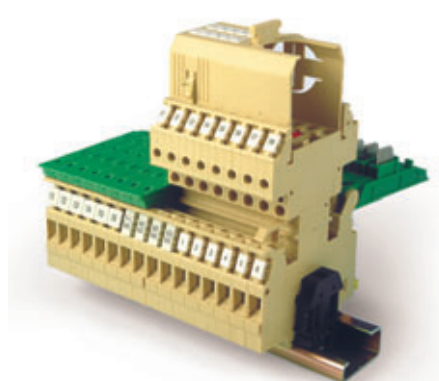
Type	Cat. No.
MAC/COS	MA030
MAC/PLZ	MA010
MAC/CP8	MA040



example of the derivation connector composition



CAM insertion



CAM connector inserted into MAC composed terminal block

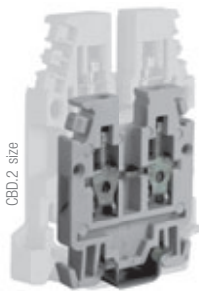
NOTE:

the use of CAM/C type could be necessary only in the case the connector is composed by more than 8 elements

Mini terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/2 type rails - TH/15 type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- **RP.4** and **RN.2: CESI 03 ATEX 073 U** Ex e certificate I M2 / II 2 G D operating temperature range: $-40 \div +80$ °C
- when rail assemblies are to be manufactured for potentially explosive environments, please refer to the instructions given on page A14



The /GR tag indicates the grey colour version.

versione base	RN.1/GR Cat. No. RN300GR	RN.2/GR Cat. No. RN500GR	RP.4/GR Cat. No. RP300GR
(Ex)i version	RN.1 (Ex)i Cat. No. RN400	RN.2 (Ex)i Cat. No. RN510	RP.4 (Ex)i Cat. No. RP400
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	1,5	2,5	4
connecting capacity			
flexible (mm²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	1,5 - WP15/14	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 17,5 A / A1	400 V / 24 A / A3	630 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 26-14 AWG / 0,5 Nm	300 V / 20 A / 20 ÷ 12 AWG / 0,4 Nm	600 V / 30 A / 20-10 AWG / 0,5 Nm
(Ex e) rated voltage / (V)	-	250 V	250 V
rated impulse withstand voltage / pollution degree	6 kV / 3	6 kV / 3	6 kV / 3
insulation stripping length (mm)	8	8	9
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,4 / 0,8	0,5 / 1,2
height / width / thickness	32 / 27 / 4,2	32 / 27 / 5	35 / 31 / 6
APPROVALS			
	IEC Ex pending	IEC Ex pending	IEC Ex pending
ACCESSORIES	Type Cat. No.	Type Cat. No.	Type Cat. No.
End sections grey blue	RFN/PT/GR RF101GR	RFN/PT/GR RF101GR	RP4/PT/GR RP301GR
Permanent cross connection	RFN/PT (Ex)i RF201	RFN/PT (Ex)i RF201	RP4/PT (Ex)i RP401
	PM/11/2 poles PM112	PM/12/2 poles PM122	PM/41/2 poles PM412
	PM/11/3 poles PM113	PM/12/3 poles PM123	PM/51/3 poles PM513
	PM/11/5 poles PM115	PM/12/5 poles PM125	PM/51/5 poles PM515
	PM/11/10 poles PM110	PM/12/10 poles PM120	PM/51/10 poles PM510
Switchable cross connection	-	-	-
Multiple common bar 250 mm	PMP/16 PMP16	PMP/25 PMP25	PMP/58 PMP58
Shunting screw and sleeve (same, Ex e version)	CPM/16 (CPX/16) CPM16 (CPX16)	CPM/16 (CPX/16) CPM16 (CPX16)	CPM/01 (CPX/01) CPM01 (CPX01)
Coloured partition red, green, white	DFF/2 DFF2..	DFF/2 DFF2..	DFF/2 DFF2..
Test plug socket	PSD/K PD011	PSD/A PD001	PSD/A PD001
Test plug	SDD/1 DD001	SDD/1 DD001	SDD/1 DD001
Numbering strip	SNZ/4 SN008	SNZ/508 SN009	SNZ/60 SN007
Warning plate on adjacent terminal blocks	TQM/02 TQM02	-	-
Cover for cross-connection	PRP/5 PRP05	PRP/5 PRP05	PRP/5 PRP05
Marking tag printed or blank	-	CNU/8 NU...	CNU/8 NU...
	-	-	CSC CS...
End bracket	BT/2 BT006	BT/2 BT006	BT/2 BT006
	-	-	-
	-	-	-
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/2/AC of steel PR009	PR/2/AC of steel PR009	PR/2/AC of steel PR009
	PR/2/AS same with slots PR010	PR/2/AS same with slots PR010	PR/2/AS same with slots PR010

Mini terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/2 type rails – TH/15 type
- **TR.2** and **TR.4**:
CESI 03 ATEX 022 U Ex e  certificate
I M2 / II 2 G D operating temperature range:
–40 ÷ +80 °C
- available in grey RAL 7042 colour

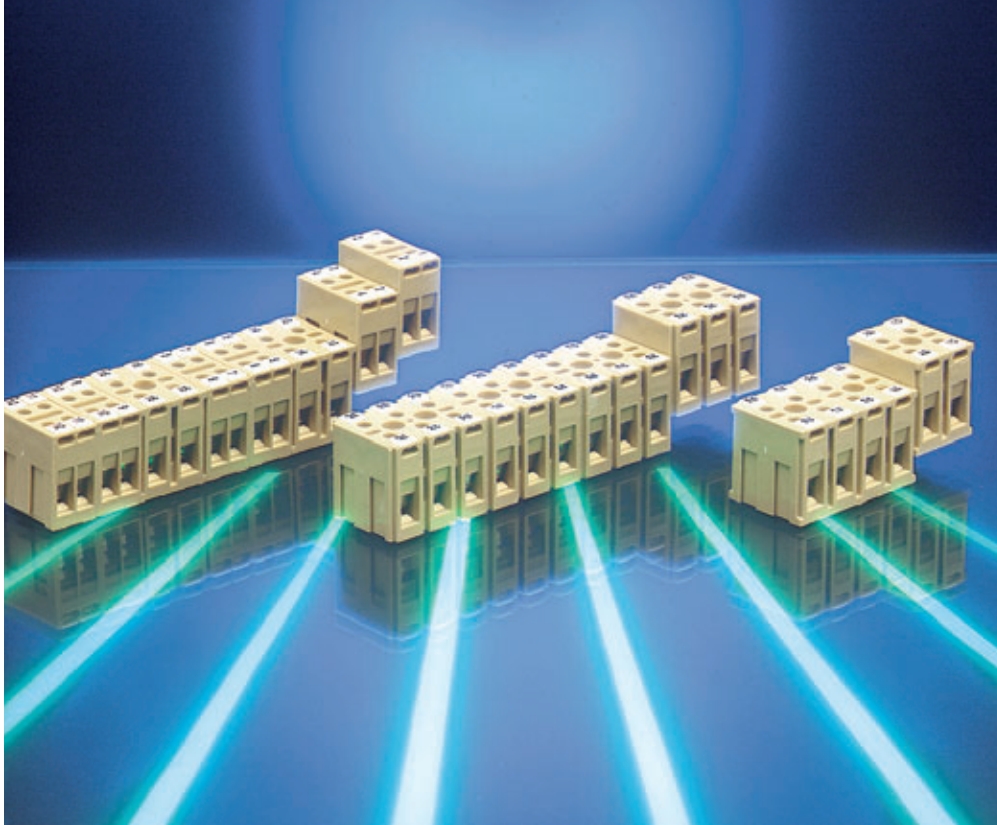


Two 6.3 x 0.8 mm or four 2.8 x 0.8 mm flat push-on tab connections according to Std. IEC 60760

The /GR tag indicates the grey colour version.

versione base	RFI.2/GR	TR.2	TR.4
	Cat. No. RF110GR	Cat. No. TR110	Cat. No. TR200
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through for push-on tab connections	earth	earth
rated cross-section (mm²)	2,5	2,5	4
connecting capacity			
flexible (mm²)	sino a 2,5	0,2 ÷ 4	0,2 ÷ 6
rigid (mm²)	-	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	-	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	- / - / A3	- / - / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 12 AWG max	- / - / 20-12 AWG / 0,4 Nm	- / - / 20-10 AWG / 0,6 Nm
(Ex e) rated voltage  /  (V)	- / -	- / -	- / -
rated impulse withstand voltage / pollution degree	6 kV / 3	6 kV / 3	6 kV / 3
insulation stripping length (mm)	-	8	9
tightening torque value (test / recommended) (Nm)	- / -	0,4 / 0,8	0,5 / 1,2
height / width / thickness 	32 / 28 / 6	32 / 27 / 5	35 / 35 / 7,3
APPROVALS	   	       	     
	IEC Ex pending	IEC Ex pending	IEC Ex pending
ACCESSORIES	Type Cat. No.	Type Cat. No.	Type Cat. No.
End sections grey blue	RFN/PT/GR RF101GR	TR.2/PT TR111	-
Permanent cross connection	P0F/17 P0F17	-	-
Switchable cross connection	-	-	-
Multiple common bar 250 mm	PMP/17 PMP17	-	-
Shunting screw and sleeve	CPM/17 CPM17	-	-
Coloured partition red, green, white	DFF/2 DFF2..	DFF/2 DFF2..	DFF/2 DFF2..
Test plug socket	PSD/K PD011	-	-
Test plug	SDD/1 DD001	-	-
Numbering strip	SNZ/60 SN007	SNZ/508 SN009	-
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	CNU/8 NU...	CNU/8 NU...	CNU/8 NU...
End bracket	CSC CS...	-	CSC CS...
	BT/2 BT006	BT/2 BT006	BT/2 BT006
	-	-	-
	-	-	-
Mounting rail according to IEC 60715 Std. 	PR/2/AC of steel PR009	PR/2/AC of steel PR009	PR/2/AC of steel PR009
	PR/2/AS same with slots PR010	PR/2/AS same with slots PR010	PR/2/AS same with slots PR010

Modular multi-pole terminal blocks



The two way **BPL.4** and three way **TPL.4** terminal blocks can be mounted separately or used to compose terminal boards with unlimited number of poles and no mounting rails are required.

The special “dovetail” coupling system guarantees the maximum compactness of the assembly and only two screws, to be inserted at the ends of the terminal board, are required for the fixing onto the panel.

BPL.4 and TPL.4 terminal blocks are suited for the marking using type CNU/5 tags.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating body



- UL94V-0
- **CESI 03 ATEX 164 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- panel mount by means of screws

beige version	BPL.4	TPL.4	BPL/R
	Cat. No. BP100	Cat. No. TP100	Cat. No. BP200
TECHNICAL CHARACTERISTICS			
function / type	two-pole	three-pole	two-pole reduced pitch
rated cross-section (mm²)	4	4	4
connecting capacity			
flexible (mm²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
rigid (mm²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 32 A / A4	500 V / 32 A / A4	500 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in. 250 V
rated impulse withstand voltage / pollution degree	6 kV / 3	6 kV / 3	6 kV / 3
insulation stripping length (mm)	12	12	12
tightening torque value (test / recommended) (Nm)	0,5 / 0,8	0,5 / 0,8	0,5 / 0,8
fixing screw (*) (Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)	-
height / width / thickness	26 / 24 / 20	26 / 30 / 20	26 / 24 / 13
APPROVALS	   	   	   

Normal compositions		
No of poles	BPL.4 and TPL.4 configurations	Total length mm
2	B	20
3	T	30
4	B+B	40
5	B+T	50
6	T+T	60
7	B+T+B	70
8	T+B+T	80
9	T+T+T	90
10	T+B+B+T	100
12	T+T+T+T	120
14	T+T+B+T+T	140
15	T+T+T+T+T	150
16	T+T+B+B+T+T	160
18	T+T+T+T+T+T	180
20	T+T+T+B+T+T+T	200

(*) NOTE:
when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating body



- UL94V-0
- panel mount by means of screws
- /PS versions, with poles including one screw connection and one feed-through lug with push-on connection (2.3 x 0.8 mm), which may also be used for soldering

(*): with bearing plate thickness = 1 mm

beige version	BPL.4/PS Cat. No. BP300	TPL.4/PS Cat. No. TP200
TECHNICAL CHARACTERISTICS		
function / type	version with special connections	version with special connections
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,5 ÷ 6	0,5 ÷ 6
rigid (mm²)	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V (*) / 32 A / A4	500 V (*) / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.
(Ex e) rated voltage (V)	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12
tightening torque value (test / recommended) (Nm)	0,5 / 0,8	0,5 / 0,8
fixing screw (*) (Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)
height / width / thickness TH/15	36 / 24 / 20	36 / 24 / 20

APPROVALS



Normal compositions

No of poles	BPL.4 and TPL.4 configurations	Total length mm
6	B+R+B	53
8	B+R+R+B	66
10	B+R+R+R+B	79
12	B+R+R+R+R+B	92
14	B+R+R+R+R+R+B	105
16	B+R+R+R+R+R+R+B	118
18	B+R+R+R+R+R+R+R+B	131
20	B+R+R+R+R+R+R+R+R+B	144

PS versions, equipped with solder connections are also available in the following configurations:

BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200)

equipped with screw connections on the opposite side from the solder connections

BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210)

equipped with screw connections on the same side as the solder connections

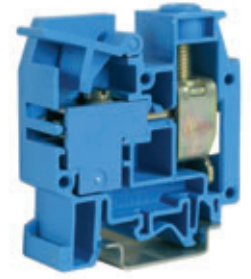
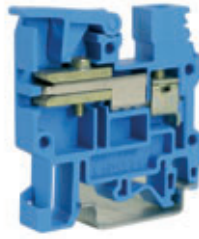
BPL.4/PS/B (Cat. No. BP320) - TPL.4/PS/B (Cat. No. TP220)

equipped with 2 (3) solder lugs and 4 (6) connections.

CNT Series

Neutral disconnect terminal blocks

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in blue RAL 5015 colour



beige version							
(Ex)i version		CNT.6	Cat. No. CNT06	CNT.16	Cat. No. CNT16	CNT.35	Cat. No. CNT35
TECHNICAL CHARACTERISTICS							
function / type		neutral disconnect terminal block		neutral disconnect terminal block		neutral disconnect terminal block	
rated cross-section		6		6		6	
connecting capacity							
flexible		0,5 ÷ 6		0,5 ÷ 16		0,5 ÷ 35	
rigid		0,5 ÷ 10		0,5 ÷ 25		0,5 ÷ 50	
max. flexible with ferrule (mm²)-ferrule type		6 - WP60/20		16 - WP160/22		35 - WP350/30	
rated voltage / rated current / gauge		400 V / 41 A / A5		400 V / 76 A / B7		400 V / 125 A / A9	
rated voltage / rated current / AWG / tightening torque value		UL		-		-	
(Ex e) rated voltage		-		-		-	
rated impulse withstand voltage / pollution degree		6 kV / 3		6 kV / 3		6 kV / 3	
insulation stripping length		10,5		12		14,5	
tightening torque value (test / recommended)		1,2 / 1,9		2 / 3		2,5 / 5	
height / width / thickness		52 / 51 / 8		56 / 53 / 12		62 / 56 / 16	
height / width / thickness		60 / 51 / 8		64 / 53 / 12		70 / 56 / 16	
height / width / thickness		56 / 51 / 8		61 / 53 / 12		66 / 56 / 16	

APPROVALS

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections		CNT6/PT	CNT601	CNT16/PT	CNT161	CNT35/PT	CNT351
Collecting busbar support		CNT/SU	CNTSU	CNT/SU	CNTSU	CNT/SU	CNTSU
10 x 3 mm collecting busbar in tin-plated brass = 1 m long		BNT/OT	BNTOT	BNT/OT	BNTOT	BNT/OT	BNTOT
10 x 3 mm collecting busbar in tin-plated copper = 1 m long		BNT/Cu	BNTCU	BNT/Cu	BNTCU	BNT/Cu	BNTCU
Neutral collecting busbar feeding terminal		BNT/CO	BNTCO	BNT/CO	BNTCO	BNT/CO	BNTCO
Coloured partition		DFU/4	DU04..	DFU/4	DU04..	DFU/4	DU04..
Numbering strip		SNZ/8	SN005	SNZ/8	SN005	SNZ/8	SN005
Marking tag		CNU/8-CSC	NU...-CS...	CNU/8-CSC	NU...-CS...	CNU/8-CSC	NU...-CS...
End bracket		BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
		BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
		BTO	BT007	BTO	BT007	BTO	BT007
		PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
		PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
		PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

Spring clamp and insulation displacement terminal blocks - Polyamide insulated

Feed-through terminal blocks

HMM.1 series	page 70
HMM.2 series	page 71
HMM.2/1+2/S	page 72
HMM.2/2+2/A	page 72
HMM.2/2+2/S	page 72
HMM.4	page 73
HMM.6 - HMM.10 - HMM.16	page 74
Voltage supply terminal HMR.16	page 75

Mini terminal blocks

HPP.2	page 89
HP.2	page 89
HPC.2	page 90

Insulation displacement terminal blocks

NCS - NCV	pages 91-92
---------------------	-------------

Earth terminal blocks

HTE.1 series	page 76
HTE.2 series	page 77
HTE.4 series	page 78
HTE.6 - HTE.10 - HTE.16	page 79

Two and three level terminal blocks

HMD.1 - HMD.1/CI	page 80
HMD.2N - HMD.2N/CI	page 80
HMD.2	page 80
HMD.1/X (for electronic components)	page 81
HMD.2N/X (for electronic components)	page 81
HMD.2N/DD - HMD.2N/3DC (with diodes)	page 81
HMD.2N/X1	page 82

Disconnect terminal blocks

HMS.2	page 83
HSCB.4 (slide link)	page 83
HSCB.6 (slide link for measuring circuits)	page 83

Fuse-holder terminal blocks

HMFA.2 (for blade fuses)	page 84
HMF.4	page 85
HMF.4/L... (with LED)	page 85

Terminal blocks for connectors

HCD.1	page 86
HVPC.2 - CHP.2 - CHP.2D	page 87
HVTE.2 - CHTE.2 - CHTE.2D	page 88

Spring clamp terminal blocks

- available in grey RAL 7042 colour only

For high harness volumes, CABUR offers its own range of spring-clamp terminal blocks suitable for cables from 0.2 to 10 mm² and reduced current intensity values.

In order to protect the clamping system, a special stop is provided in the insulating body; this has the function of ensuring the spring does not go over its elastic range, in case of handling carried out by unskilled workforce.

The appropriate sizing of the wire insertion hole, fully in compliance with the requirements given by IEC 60947-1 Standard concerning the gauge, guarantees the insertion of any type of conductor having the rated cross-section, also with a ferrule. The resulting connection, with respect to the technology adopted, is of the maximum reliability and safety under both the aspects of the quality of the materials and for the particular conformation of the components; in this way the damaging of unprepared flexible conductors is avoided.

The insertion of the wire is vertical; this means further time and costs savings, especially where space is limited, but where guaranteed high-density connections are required.

For the commoning of different elements, a practical and safe cross-connection system is available.

The terminals with rated cross sections between 1.5 mm and 4 mm² can be connected one with another in the most various ways thanks to our exclusive "Easy Bridge" (PTC) connection system, with quick coupling, which combines efficiency, rapidity and flexibility and ensures at the same time an extraordinary economic result; these characteristics, **together with an IPXXB intrinsic installation, without the need of further insulation protections** (for cables, terminals and cross-connections), guarantee a connectivity which is superior to that offered by competitors.



CNU/8

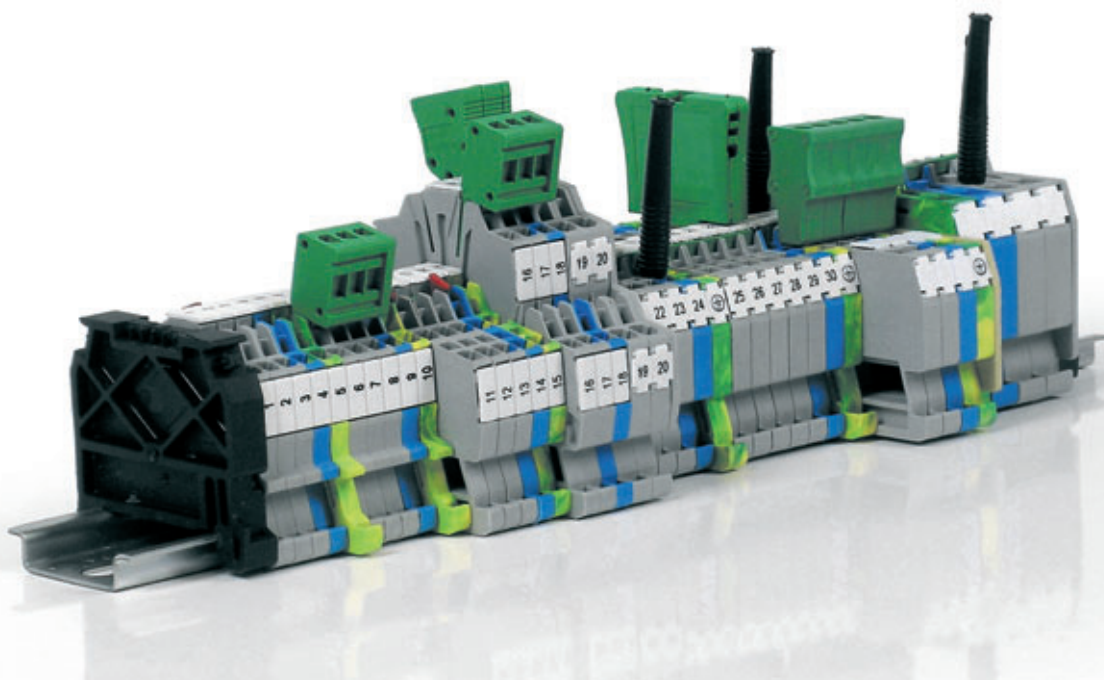


SHZ

Marking systems

Our particular marking system has to be highlighted. The same **SHZ** numbering strip, in fact, can be inserted on both sides of the terminal block or on the appropriate housings provided in the upper part of the terminal block. This means easy identification of every terminal block in the electrical panel.

It is possible also to perform the marking also using **CNU/8** tags.



HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HMM.1/GR Cat. No. HM400GR
HMM.1 (Ex)i Cat. No. HI400
feed-through
1,5
0,2 ÷ 2,5
0,2 ÷ 2,5
1,5 - WP15/14
500 V / 17,5 A / B2
600 V / 15 A / 26-14 AWG
8 KV / 3
10
43 / 45 / 4,2
51 / 45 / 4,2
-



HMM.1/1+2/GR Cat. No. HM410GR
HMM.1/1+2 (Ex)i Cat. No. HI410
feed-through, 1 input and 2 outputs
1,5
0,2 ÷ 2,5
0,2 ÷ 2,5
1,5 - WP15/14
500 V / 17,5 A / B2
600 V / 15 A / 26-14 AWG
8 KV / 3
10
43 / 56 / 4,2
51 / 56 / 4,2
-



HMM.1/2+2/GR Cat. No. HM420GR
HMM.1/2+2 (Ex)i Cat. No. HI420
feed-through, 2 inputs and 2 outputs
1,5
0,2 ÷ 2,5
0,2 ÷ 2,5
1,5 - WP15/14
500 V / 17,5 A / B2
600 V / 15 A / 26-14 AWG
8 KV / 3
10
43 / 65 / 4,2
51 / 65 / 4,2
-



Type	Cat. No.
HMT.1/PT/GR	HM401GR
HMT.1/PT (Ex)i	HI401
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/1	DH01..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.1/1+2/PT/GR	HM411GR
HMT.1/1+2/PT (Ex)i	HI411
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/2	DH02..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.1/2+2/PT/GR	HM421GR
HMT.1/2+2/PT (Ex)i	HI421
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/3	DH03..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HMM.2/GR	Cat. No. HM500GR
HMM.2 (Ex)i	Cat. No. HI500
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 KV / 3	
13	
41 / 50 / 5,2	
49 / 50 / 5,2	
-	



Type	Cat. No.
HMT.2/PT/GR	HM501GR
HMT.2/PT (Ex)i	HI501
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	

CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM.2/1+2/GR	Cat. No. HM510GR
HMM.2/1+2 (Ex)i	Cat. No. HI510
feed-through, 1 input and 2 outputs	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 KV / 3	
13	
41 / 66 / 5,2	
49 / 66 / 5,2	
-	



Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
HMT.2/1+2/PT (Ex)i	HI511
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	

CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM.2/2+2/GR	Cat. No. HM520GR
HMM.2/2+2 (Ex)i	Cat. No. HI520
feed-through, 2 inputs and 2 outputs	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 KV / 3	
13	
41 / 82 / 5,2	
49 / 82 / 5,2	
-	



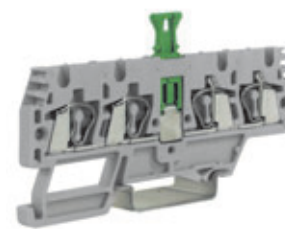
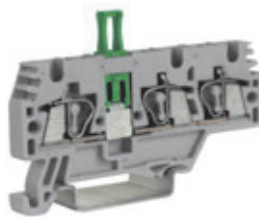
Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
HMT.2/2+2/PT (Ex)i	HI521
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/3	DH03..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	

CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- disconnect by lever
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMM.2/1+2/S/GR	Cat. No. HMS20GR
disconnect, 1 input and 2 outputs	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V / 16 A / A3	
600 V / 20 A / 24-12 AWG	
6 kV / 3	
13	
48 / 66 / 5,2	
56 / 66 / 5,2	
-	

HMM.2/2+2/A/GR	Cat. No. HM170GR
disconnect (open), 2 inputs and 2 outputs	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V / 16 A / A3	
600 V / 20 A / 24-12 AWG	
6 kV / 3	
13	
37 / 82 / 5,2	
45 / 82 / 5,2	
-	

HMM.2/2+2/S/GR	Cat. No. HMS10GR
disconnect, 2 inputs and 2 outputs	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V / 16 A / A3	
600 V / 20 A / 24-12 AWG	
6 kV / 3	
13	
48 / 82 / 5,2	
56 / 82 / 5,2	
-	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail	according to IEC 60715 Std.

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	
-	
-	
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

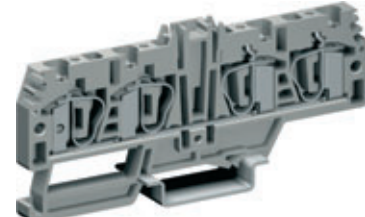
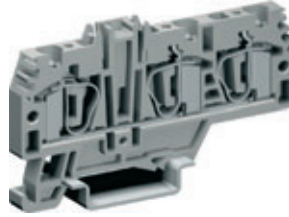
Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
-	
-	
-	
-	
DFH/3	DH03..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
-	
-	
-	
-	
DFH/3	DH03..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



NEW
cabur

NEW
cabur

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
HMM.4	PTC/5	500	500	500	500	500	500

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMM.4/GR	Cat. No. HM250GR
HMM.4 (Ex)i	Cat. No. HI250
feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
600 V / 30 A / 24-10 AWG	
8 KV / 3	
17	
45 / 58 / 6,2	
52 / 58 / 6,2	
-	

HMM.4/1+2/GR	Cat. No. HM210GR
HMM.4/1+2 (Ex)i	Cat. No. HI210
feed-through 1 input and 2 outputs	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
-	
8 KV / 3	
17	
45 / 78 / 6,2	
52 / 78 / 6,2	
-	

HMM.4/2+2/GR	Cat. No. HM220GR
HMM.4/2+2 (Ex)i	Cat. No. HI220
feed-through 2 inputs and 2 outputs	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 32 A / A4	
-	
8 KV / 3	
17	
45 / 98 / 6,2	
52 / 98 / 6,2	
-	

APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.4/PT/GR	HM251GR
HMT.4/PT (Ex)i	HI251
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

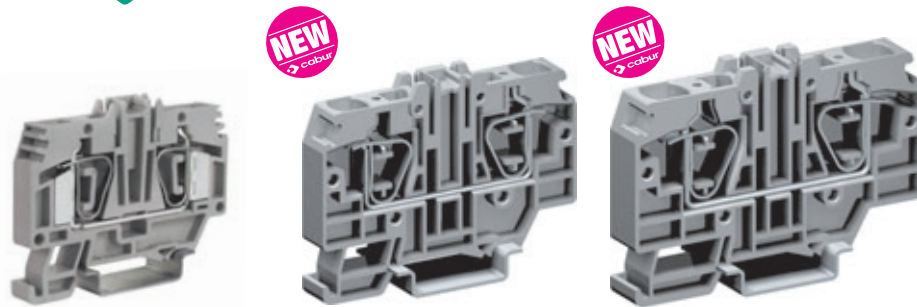
Type	Cat. No.
HMT.4/1+2/PT/GR	HM211GR
HMT.4/1+2/(Ex)i	HI211
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.4/2+2/PT/GR	HM221GR
HMT.4/2+2/(Ex)i	HI221
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

Morsetto	Ponte	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HMM.6	PTC/8	500	500	500	500	500	500
HMM.10 (HMM.16)	PTC/11 (/16)	1000	1000	800	1000	800	800

HMM.6/GR	Cat. No. HM320GR
HMM.6 (Ex)i	Cat. No. HI320
feed-through	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
800 V / 41 A / A5	
600 V / 41 A / 24-8 AWG	
8 KV / 3	
18	
44 / 62 / 8,2	
52 / 62 / 8,2	
-	

HMM.10/GR	Cat. No. HM330GR
HMM.10 (Ex)i	Cat. No. HI330
feed-through	
10	
1,5 ÷ 16	
1,5 ÷ 16	
10 - WP100/21	
1000 V / 57 A / A6	
-	
12 KV / 3	
18	
53 / 71 / 10	
61 / 70 / 10	
-	

HMM.16/GR	Cat. No. HM340GR
HMM.16 (Ex)i	Cat. No. HI340
feed-through	
16	
1,5 ÷ 25	
1,5 ÷ 25	
16 - WP160/22	
1000 V / 76 A / A7	
-	
12 KV / 3	
18	
56 / 80 / 12	
64 / 80 / 12	
-	

APPROVALS



KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL
TERNA pending

KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL
TERNA pending

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.6/PT/GR	HM321GR
HMT.6/PT (Ex)i	HI321
PTC/8/02 poles	PTC0802
PTC/8/03 poles	PTC0803
PTC/8/05 poles	PTC0805
PTC/8/10 poles	PTC0810
PTC/8/00 (30 poles)	PTC0800
41	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
-	
SHZ/6	SH003
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.10/PT/GR	HM331GR
HMT.10/PT (Ex)i	HI331
PTC/11/02 poles	PTC1102
PTC/11/03 poles	PTC1103
PTC/11/05 poles	PTC1105
PTC/11/10 poles	PTC1110
PTC/11/00 (25 poles)	PTC1100
57	
-	
DFH/4	DH04..
-	
SDD/1	DD001
-	
SNZ/10	SN...
CCH/4	CCH02
-	
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.16/PT/GR	HM341GR
HMT.16/PT (Ex)i	HI341
PTC/16/02 poles	PTC1602
PTC/16/03 poles	PTC1603
PTC/16/05 poles	PTC1605
PTC/16/10 poles	PTC1610
PTC/16/00 (20 poles)	PTC1600
76	
-	
DFH/4	DH04..
-	
SDD/1	DD001
-	
CCH/4	CCH02
-	
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

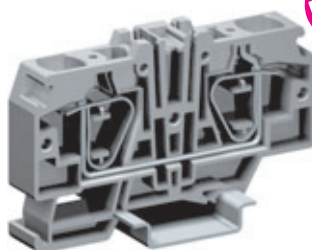
H Series

Voltage supply terminal blocks

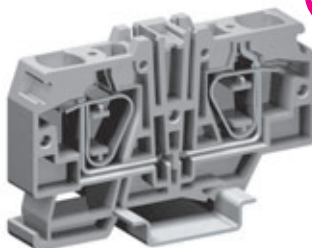
- UL94V-0
- 16 mm²
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 colour
- can be connected with HMM.2, HMM.2/1+2, HMM.2/2+2, HMS.2, HMFA.2, HMM.4, HMM.4/1+2, HMM.4/2+2, HMM.6

(*) value referred to the terminal and not to the potential distributor

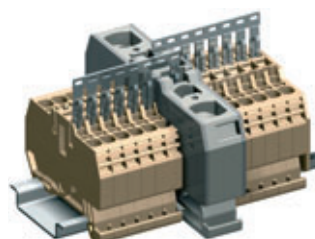
The /GR tag indicates the grey colour version.



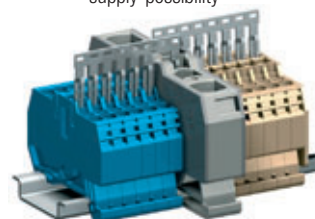
NEW
cabur



NEW
cabur



Terminal blocks with double voltage supply possibility



single power supply version	
double power supply version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMR.16/GR	Cat. No. HM350GR
HMR.16/D/GR	Cat. No. HM360GR
potential distributor	
16	
1,5 ÷ 25	
1,5 ÷ 25	
16 - WP160/22	
1000 V / 76 A (*) / A7	
-	
12 kV / 3	
18	
50 / 80 / 12,8	
57 / 80 / 12,8	
-	

KEMA-KEUR, UL and cUL pending

APPROVALS

ACCESSORIES	
End sections	grey
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
see table	
see table	
see table	
-	
-	
-	
DFH/4	DH04..
-	
-	
SDD/1	DD001
-	
CCH/4	CCH02
-	
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Terminal block connected to supply terminal	End sections		Permanent cross connection (**)		
	Type	Cat. No.	Type	Cat. No.	Total capacity
HMM.2	HMR.16-2/PT/GR	HM352GR	PTC/03/02 poles	PTC0302	24 A
HMM.2/1+2			PTC/03/03 poles	PTC0303	
HMM.2/2+2			PTC/03/05 poles	PTC0305	
HMS.2			PTC/03/10 poles	PTC0310	
HMFA.2			PTC/03/00 (47 poles)	PTC0300	
HMM.4	HMR.16-4/PT/GR	HM354GR	PTC/05/02 poles	PTC0502	32 A
HMM.4/1+2			PTC/05/03 poles	PTC0503	
HMM.4/2+2			PTC/05/05 poles	PTC0505	
			PTC/05/10 poles	PTC0510	
			PTC/05/00 (40 poles)	PTC0500	
HMM.6	HMR.16-6/PT/GR	HM356GR	PTC/08/02 poles	PTC0802	41 A
			PTC/08/03 poles	PTC0803	
			PTC/08/05 poles	PTC0805	
			PTC/08/10 poles	PTC0810	
			PTC/08/00 (30 poles)	PTC0800	

(**) In order to enable the connection to the supply terminal the second pin must be always removed from the strip of the PTC jumper.



HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	HTE.1	HTE.1/1+2	HTE.1/2+2
	Cat. No. HT400	Cat. No. HT410	Cat. No. HT420
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm ²)	1,5	1,5	1,5
connecting capacity			
flexible (mm ²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
rigid (mm ²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
max. flexible with ferrule (mm ²)-ferrule type	1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / B2	- / - / B2	- / - / B2
rated voltage / rated current / AWG UL	- / - / 26-14 AWG	- / - / 26-14 AWG	- / - / 26-14 AWG
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	8 kV / 3
insulation stripping length (mm)	10	10	10
height / width / thickness	43 / 50 / 4,2	43 / 61 / 4,2	43 / 65 / 4,2
height / width / thickness	51 / 50 / 4,2	51 / 61 / 4,2	51 / 65 / 4,2
height / width / thickness	-	-	-
	    	    	    
APPROVALS			
ACCESSORIES	Type	Type	Type
End sections	HMT.1/PT/GR	HMT.1/1+2/PT/GR	HMT.1/2+2/PT/GR
Permanent cross connection	PTC/1/02 poles	PTC/1/02 poles	PTC/1/02 poles
	PTC/1/03 poles	PTC/1/03 poles	PTC/1/03 poles
	PTC/1/05 poles	PTC/1/05 poles	PTC/1/05 poles
	PTC/1/10 poles	PTC/1/10 poles	PTC/1/10 poles
	PTC/1/00 (50 poles)	PTC/1/00 (50 poles)	PTC/1/00 (50 poles)
Rated current carrying capacity of jumper (A)	17,5	17,5	17,5
Cross-connection identification strip (100 mm)	PTC/SP	PTC/SP	PTC/SP
Multiple common bar	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition	DFH/1	DFH/2	DFH/3
Cross connection barrier	DFM/500	DFM/500	DFM/500
Test plug socket	-	-	-
Test plug	-	-	-
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	SHZ/1	SHZ/1	SHZ/1
Screwdriver for the activation of the spring	CCH/2,5-4	CCH/2,5-4	CCH/2,5-4
Warning plate	-	-	-
Marking tag	-	-	-
End bracket	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3	BTU for PR/DIN and PR/3
	BTO	BTO	BTO
	BT/3 for PR/3 only	BT/3 for PR/3 only	BT/3 for PR/3 only
Mounting rail according to IEC 60715 Std.	PR/3/AC of steel	PR/3/AC of steel	PR/3/AC of steel
	PR/3/AS same with slots	PR/3/AS same with slots	PR/3/AS same with slots
	Cat. No. PR003	Cat. No. PR003	Cat. No. PR003
	Cat. No. PR005	Cat. No. PR005	Cat. No. PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HTE.2	Cat. No.	HT500
earth		
2,5		
0,2 ÷ 4		
0,2 ÷ 4		
2,5 - WP25/14		
- / - / A3		
- / - / 24-12 AWG		
8 KV / 3		
13		
41 / 54 / 5,2		
49 / 54 / 5,2		
-		



Type	Cat. No.
HMT.2/PT/GR	HM501GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
-	
DFH/1	DH01..
-	
-	
SDD/1	DD001
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE.2/1+2	Cat. No.	HT510
earth, 1 input and 2 outputs		
2,5		
0,2 ÷ 4		
0,2 ÷ 4		
2,5 - WP25/14		
- / - / A3		
- / - / 24-12 AWG		
8 KV / 3		
13		
41 / 70 / 5,2		
49 / 70 / 5,2		
-		



Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
-	
DFH/2	DH02..
-	
-	
SDD/1	DD001
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE.2/2+2	Cat. No.	HT520
earth, 2 inputs and 2 outputs		
2,5		
0,2 ÷ 4		
0,2 ÷ 4		
2,5 - WP25/14		
- / - / A3		
- / - / 24-12 AWG		
8 KV / 3		
13		
41 / 82 / 5,2		
49 / 82 / 5,2		
-		

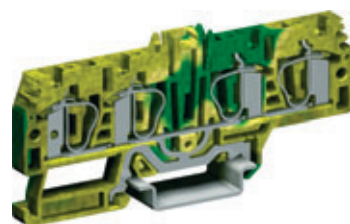


Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
-	
DFH/3	DH03..
-	
-	
SDD/1	DD001
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HTE.4	Cat. No.	HT250
earth		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
- / - / A4		
- / - / 24-10 AWG		
8 KV / 3		
17		
45 / 58 / 6,2		
52 / 58 / 6,2		
-		



Type	Cat. No.
HMT.4/PT/GR	HM251GR
-	
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
-	
DFH/1	DH01..
-	
-	
SDD/1	DD001
-	
-	
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE.4/1+2	Cat. No.	HT260
earth, 1 input and 2 outputs		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
- / - / A4		
-		
8 KV / 3		
17		
45 / 78 / 6,2		
52 / 78 / 6,2		
-		



Type	Cat. No.
HMT.4/1+2/PT/GR	HM211GR
-	
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
-	
DFH/1	DH01..
-	
-	
SDD/1	DD001
-	
-	
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE.4/2+2	Cat. No.	HT270
earth, 2 inputs and 2 outputs		
4		
0,2 ÷ 6		
0,2 ÷ 6		
4 - WP40/16		
- / - / A4		
-		
8 KV / 3		
17		
45 / 98 / 6,2		
52 / 98 / 6,2		
-		

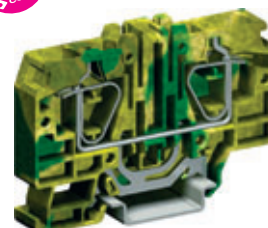


Type	Cat. No.
HMT.4/2+2/PT/GR	HM221GR
-	
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
-	
DFH/1	DH01..
-	
-	
SDD/1	DD001
-	
-	
SHZ/4	SH002
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HTE.6	Cat. No.	HT310
earth		
6		
0,2 ÷ 10		
0,2 ÷ 10		
6 - WP60/20		
- / - / A5		
- / - / 24-8 AWG		
8 KV / 3		
18		
44 / 62 / 8,2		
52 / 62 / 8,2		
-		



HTE.10	Cat. No.	HT330
earth		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
- / - / A6		
-		
12 KV / 3		
18		
53 / 71 / 10		
61 / 70 / 10		
-		

KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNIA pending

HTE.16	Cat. No.	HT340
earth		
16		
1,5 ÷ 25		
1,5 ÷ 25		
16 - WP160/22		
- / - / A7		
-		
12 KV / 3		
18		
56 / 80 / 12		
64 / 80 / 12		
-		

KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNIA pending

Type	Cat. No.
HMT.6/PT/GR	HM321GR
-	
PTC/8/02 poles	PTC0802
PTC/8/03 poles	PTC0803
PTC/8/05 poles	PTC0805
PTC/8/10 poles	PTC0810
PTC/8/00 (30 poles)	PTC0800
41	
PTC/SP	PTC0990
-	
-	
DFH/1	DH01..
-	
SDD/1	DD001
-	
SHZ/6	SH003
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.10/PT	HM331GR
-	
PTC/11/02 poles	PTC1102
PTC/11/03 poles	PTC1103
PTC/11/05 poles	PTC1105
PTC/11/10 poles	PTC1110
PTC/11/00 (25 poles)	PTC1100
57	
-	
-	
DFH/4	DH04..
-	
SDD/1	DD001
-	
SNZ/10	SN005
CCH/4	CCH02
-	
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.16/PT	HM341GR
-	
PTC/16/02 poles	PTC1602
PTC/16/03 poles	PTC1603
PTC/16/05 poles	PTC1605
PTC/16/10 poles	PTC1610
PTC/16/00 (20 poles)	PTC1600
76	
-	
-	
DFH/4	DH04..
-	
SDD/1	DD001
-	
-	
CCH/4	CCH02
-	
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

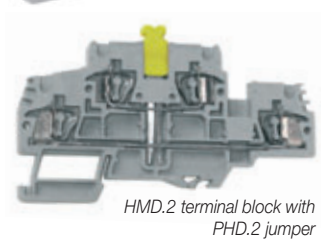
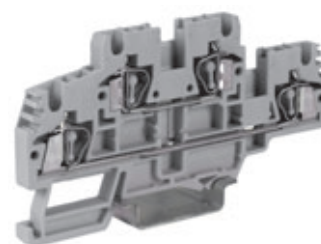


detail of PTC jumper and DFM barrier with numbering

detail of composable test plug



The /GR tag indicates the grey colour version.



HMD.2 terminal block with PHD.2 jumper

Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams

grey version	
(Ex)i version	
version with permanent internal connection	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.1/GR	Cat. No. HD200GR
HMD.1 (Ex)i	Cat. No. HD300
HMD.1/CI/GR	Cat. No. HD120GR
two-level feed-through	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V / 17,5 A / B2	
600 V / 15 A / 26-14 AWG	
6 kV / 3	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/GR	Cat. No. HD400GR
HMD.2N (Ex)i	Cat. No. HD410
HMD.2N/CI/GR	Cat. No. HD450GR
two-level feed-through	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V / 24 A / B2	
600 V / 15 A / 26-14 AWG	
8 kV / 3	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2/GR	Cat. No. HD100GR
two-level feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
1,5 - WP15/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 kV / 3	
10	
49 / 91 / 5,2	
56 / 91 / 5,2	
-	

APPROVALS



Approvals referred to HMD.1 standard version



Approvals referred to HMD.2N standard version



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Internal cross connection (removable)	
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
HMD.1/PT (Ex)i	HI301
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFU/07	DU07..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD.1/PT/GR	HD201GR
HMD.1/PT (Ex)i	HI301
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (50 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFU/07	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD/PT/GR	HD101GR
-	
PH/2,5-4	PH100
PHD/2	PHD02
-	
24	
-	
PHD/2	PHD02
-	
DFH/4	DH04..
-	
-	
SDD/1	DD001
-	
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
-	
-	
CNU/8	NU...
(solo su piano inferiore)	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- versions suited to contain electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



(*) values referred to the insulation characteristics of the terminal block and to the connection unit

The /GR tag indicates the grey colour version.

max. thickness of the mounted components: 3,4 mm

max. thickness of the mounted components: 3,9 mm

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.1/X/GR	Cat. No. HD130GR
two level, arranged to contain electronic components	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V (*) / 17,5 A (*) / B2	
6 kV / 3 (*)	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/X/GR	Cat. No. HD440GR
two level, arranged to contain electronic components	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V (*) / 24 A (*) / B2	
-	
6 kV / 3 (*)	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2N/DD/GR	Cat. No. HD420GR
version equipped with two 1N4007 diodes in feed-through configuration for each level	

APPROVALS

Approvals referred to HMD.1 standard version

Approvals referred to HMD.2N standard version

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	-
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
-	-
-	-
DFU/7	DU07..
DFM/500	DF500
-	-
-	-
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	-
-	-
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

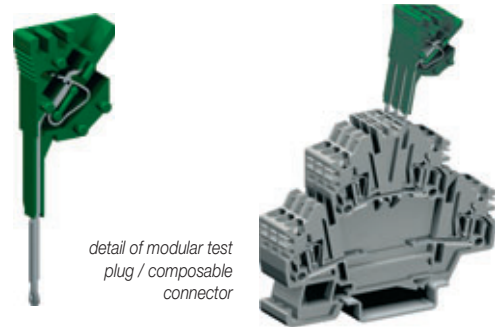
Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	-
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (50 poles)	PTC0300
24	
-	-
-	-
DFU/7	DU07..
DFM/500	DF500
-	-
-	-
SDH/7	DH007
SH7/PT	DH701
SHZ/2	SH001
CCH/2,5-4	CCH02
-	-
-	-
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMD.2/3DC/GR	Cat. No. HD430GR
version equipped with three 1N4007 diodes and shared cathode	

H Series

with polyamide insulating body

- UL94V-0
- version suited to house a connector / test plug as well as electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



detail of modular test plug / composable connector

The /GR tag indicates the grey colour version.

grey version		HMD.2N/X1/GR	
NEW		Cat. No. HD441GR	
TECHNICAL CHARACTERISTICS			
function / type		two-level, upper feed-through and lower disconnect	
rated cross-section (mm²)		2,5	
connecting capacity		0,2 ÷ 2,5	
flexible (mm²)		0,2 ÷ 2,5	
rigid (mm²)		1,5 - WP15/14	
max. flexible with ferrule (mm²)-ferrule type		630 V / 24 A / B2	
rated voltage / rated current / gauge conf. to IEC 60947-7-1		-	
rated voltage / rated current / AWG		UL	
rated impulse withstand voltage / pollution degree		8 kV / 3	
insulation stripping length (mm)		10	
height / width / thickness		59 / 73 / 5,2	
height / width / thickness		67 / 73 / 5,2	
height / width / thickness		-	

APPROVALS

KEMA-KEUR, UL and cUL pending

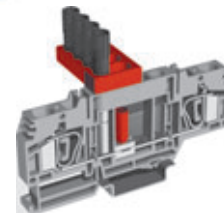
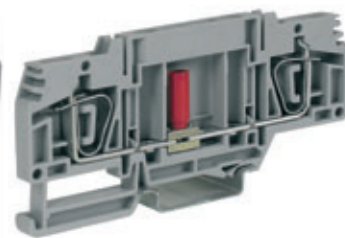
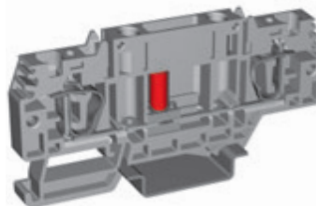
ACCESSORIES		Type	Cat. No.
End sections	grey beige	HMD.1/PT/GR	HD201GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		PTC/03/02 poles	PTC0302
		PTC/03/03 poles	PTC0303
		PTC/03/05 poles	PTC0305
		PTC/03/10 poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300
		24	
		PTC/SP	PTC0990
		-	
		-	
		DFU/7	DU07..
		DFM/500	DF500
		-	
		-	
		SDH/7	DH007
		SH7/PT	DH701
		SHZ/2	SH001
		CCH/2,5-4	CCH02
		-	
		CNU/8	NU...
		BTU for PR/DIN and PR/3	BT005
		BTO	BT007
		BT/3 for PR/3 only	BT003
		-	
		PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- disconnect by lever and by slide link
- for test and measurement circuits
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams



Terminal block with short circuit plate and test plug

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



KEMA-KEUR, UL and cUL pending



UL and cUL pending

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Diaframma separatore ponti	
Internal cross connection	
Coloured partition	red, green, white
Test plug socket	
Test plug	
Modular test plug	
Numbering strip	
Conducting element	
End section for modular test plug	
Signal element	
Screwdriver for the activation of the spring	
Screw and sleeve for short circuit plates (with socket)	
Short-circuit plate	between 2 adjoining terminal blocks between 4 adjoining terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	-
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	-
-	-
DFH/2	DH02..
-	-
SDD/1	DD001
SDH/5	DH005
SHZ/2	SH001
-	-
SH5/PT	DH501
-	-
CCH/2,5-4	CCH02
-	-
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HSCB.4/PT/GR	HB101GR
-	-
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	-
PTC/SP	PTC0990
-	-
DFH/4	DH04..
-	-
SDH/6	DH006
SHZ/4	SH004
-	-
SH6/PT	DH601
-	-
CCH/2,5-4	CCH02
-	-
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HSCB.6/PT/GR	HB201GR
-	-
PTC/8/02 poles	PTC0802
PTC/8/03 poles	PTC0803
PTC/8/05 poles	PTC0805
PTC/8/10 poles	PTC0810
PTC/8/00 (30 poles)	PTC0800
41	-
PTC/SP	PTC0990
DFM/500	DF500
-	-
PSD/0	PD017
SDD/1	DD001
-	-
SHZ/6	SH006
-	-
-	-
CCH/6	CCH06
HSCB/6/CPM	HB205
HSCB/6/PO/2	HB203
HSCB/6/PO/4	HB204
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams

(*) value referred to the insulation characteristics of the terminal block

NEW
cabur



The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Increased pitch jumper	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A
acc. to DIN 72581/3F ISO 8820	In = 5 A
- max voltage 32 V	In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

HMFA.2/GR	
Cat. No.	HF300GR
for blade fuse and component-holder cartridge	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V (*) / 6,3 A / A3	
-	
4 KV (*) / 3	
11	
-	
41 / 66 / 5,2	
49 / 66 / 5,2	
- / - / -	



Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
F32/2	FN03202
F32/5	FN03205
F32/7	FN03207
F32/15	FN03215
-	
SHZ/2	SH001
CCH/2,5-4	CCH02
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

CPF/5	
Cat. No.	CPF05
component-holder cartridge	
-	
-	
-	
-	
320 V (a) / 6,3 A (a) / A5	
-	
4 KV / 3	
-	
-	
(b) / 33 / 6	
(b) / 33 / 6	
(b) / 33 / 6	



ACCESSORIES	
Marking tag	printed or blank
Tinned brass conductor	Ø 5 x 20 mm
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	

OUTFITTED VERSIONS

With non-polarized LED microcircuit	12 Vdc / Vac
With non-polarized LED microcircuit	24 Vdc / Vac
With non-polarized LED microcircuit	48 Vdc / Vac
With non-polarized LED microcircuit	115 Vdc / Vac
With non-polarized LED microcircuit	230 Vdc / Vac
With 1 A diode (1N4001 ÷ 1N4007 types)	
With 3 A diode (BY255 type)	
With resistor 1200 Ω (1 W ± 5%)	



The cartridge can contain a spare fuse, instead of the LED signalling circuit.

Type	Cat. No.
CNU/8	NU...
CO/5	VL103
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

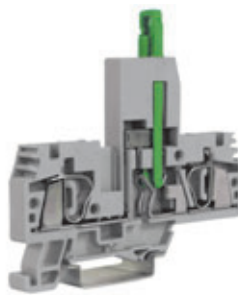
Note:

- (a) with fuse Ø 5 x 20 mm, 250 V, I_{max} = 6,3 A – with brass pin I_{max} = 10 A
(b) total value, when the cartridge is mounted on terminals, including the mounting rail

H Series

with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



for Ø 5 x 20 mm fuse



for Ø 5 x 20 mm fuse

(*) value referred to the insulation characteristics of the terminal block
(**) separate configuration conf. to IEC 60947-7-3

Possibility of the insertion of a LSH type indicator (for 12, 24, 48, 115 or 230 V), supplied also separately, equipped with a red coloured LED. The blow-out of the fuse determines the ignition of the LED, with a current flow of approximately 2 mA in a.c. or 5 mA in d.c.

The /GR tag indicates the grey colour version.

grey version

(Ex)i version

TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Jumper with increased pitch	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A
acc. to DIN 72581/3F ISO 8820	In = 5 A
- max voltage 32 V	In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

HMF.4/GR

Cat. No. HF110GR

for Ø 5 x 20 mm fuse	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con C0/5) / A4	
600 V / 20 A / 24-10 AWG	
-	
6 kV / 3	
13	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	



Type	Cat. No.
HMF/PT/GR	HF111GR
-	
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
-	
-	
DFH/4	DH04..
-	
-	
SDD/1	DD001
-	
-	
-	
-	
-	
-	
-	
LSH/** (according to voltage)	LS...
SHZ/6	SH003
CCH/2,5-4	CCH02
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	

PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMF.4/L12/GR

Cat. No. HF212GR

HMF.4/L24/GR

Cat. No. HF224GR

HMF.4/L48/GR

Cat. No. HF248GR

for fuse and LED circuit	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con C0/5) / A4	
-	
6 kV / 3	
13	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	

Approvals referred to standard version

Type	Cat. No.
-	
-	
-	
PH/2,5-4	PH100
32	
PHM/2,5-4	PHM01
-	
-	
DFH/4	DH04..
-	
-	
SDD/1	DD001
-	
-	
-	
-	
-	
-	
-	
SHZ/6	SH003
CCH/2,5-4	CCH02
CNU/8	NU...
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	

PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

H Series

with polyamide insulating body

- for 5.08 mm pitch female connectors - on two levels
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- double possibility to house PTC – “easy bridge” multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

HCD.1/GR	Cat. No. HC200GR
HCD.1 (Ex)i	Cat. No. HC210

2 level feed-through with 2 screw connections and 2 pins for connectors
1,5
0,2 ÷ 2,5
0,2 ÷ 2,5
1,5 - WP15/14
320 V / 12 A / B2
300 V / 12 A / 26-14 AWG
-
6 kV / 3
10
-
59 / 72 / 5,08
67 / 72 / 5,08
- / - / -



Type	Cat. No.
HCD.1/PT/GR	HC201GR
-	
HCD.1/PT(Ex)i	HC211
PTC/2/02 poles	PTC0202
PTC/2/03 poles	PTC0203
PTC/2/05 poles	PTC0205
PTC/2/10 poles	PTC0210
PTC/2/00 (50 poles)	PTC0200
24	
-	
DFU/7	DU07..
DFM/500	DF500
-	
-	
-	
VPC/VT	VP102
SNZ/508	SN009
CCH/2,5-4	CCH02
CNU/8	NU...
BT0	BT007
-	
BT/3 for PR/3 only	BT003
-	

PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

detail of PTC jumper with DFM/500 barriers, SNZ/508 numbering strips and VPC/VT lug protection covers



detail with 5.08 mm female connectors inserted on the two levels and the lug protection covers raised



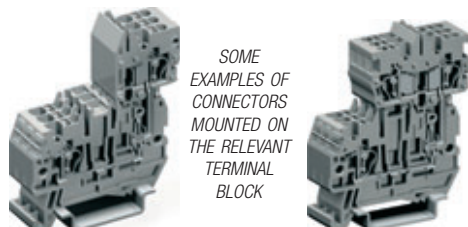
Female connectors, 90° - 5.08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 - 2 poles	Cat. No.	VP902
VPC/F03 - 3 poles	Cat. No.	VP903
VPC/F04 - 4 poles	Cat. No.	VP904
VPC/F05 - 5 poles	Cat. No.	VP905
VPC/F06 - 6 poles	Cat. No.	VP906
VPC/F07 - 7 poles	Cat. No.	VP907
VPC/F08 - 8 poles	Cat. No.	VP908
VPC/F09 - 9 poles	Cat. No.	VP909
VPC/F10 - 10 poles	Cat. No.	VP910
VPC/F11 - 11 poles	Cat. No.	VP911
VPC/F12 - 12 poles	Cat. No.	VP912
VPC/F13 - 13 poles	Cat. No.	VP913
VPC/F14 - 14 poles	Cat. No.	VP914
VPC/F15 - 15 poles	Cat. No.	VP915
VPC/F16 - 16 poles	Cat. No.	VP916

H Series

with polyamide insulating body

- spring system with connector plug (patented)
- Easy Bridge cross connection system (patented)
- available in grey RAL 7042 colour



The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES

End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

(*) with end plate interposed also on the connector (**) dimensions with inserted connector

HVPC.2/GR	
Cat. No. HVP300GR	
spring type for connectors	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
-	
8 KV / 3	
13	
-	
41 / 50 / 5,2	
49 / 50 / 5,2	
- / - / -	

KEMA-KEUR, UL and cUL pending

Type	Cat. No.
HVPC.2/PT/GR	HVP301GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
SHZ/2	SH1..
CCH/2,5-4	CCH02
CNU/8	NU...
CNU/10	NU...
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HVPC.2/GR	PTC/03	500	500	500 (*)	500
CHP.2(D)/GR	PTC/03	500 (630)	500	400 (*)	-

CHP.2/GR	
Cat. No. HVP900GR	
female connector for one conductor	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
500 V / 24 A / A3	
-	
8 KV / 3	
13	
-	
67 (**) / 58 (**) / 5,2	
75 (**) / 58 (**) / 5,2	
-	

KEMA-KEUR, UL and cUL pending

Type	Cat. No.
CHP.2/PT/GR	HVP901GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CCH/2,5-4	CCH02
CNU/8	NU...
CNU/10	NU...
-	
-	

CHP.2D/GR	
Cat. No. HVP910GR	
female connector for two conductors	2,5
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
500 V / 24 A / A3	
-	
8 KV / 3	
13	
-	
67 (**) / 58 (**) / 5,2	
75 (**) / 58 (**) / 5,2	
-	

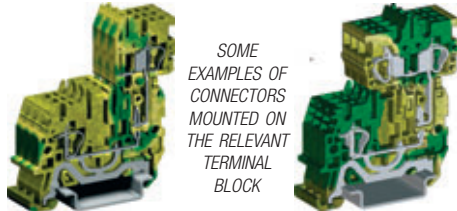
KEMA-KEUR, UL and cUL pending

Type	Cat. No.
CHP.2D/PT/GR	HVP911GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CCH/2,5-4	CCH02
CNU/8	NU...
CNU/10	NU...
-	
-	

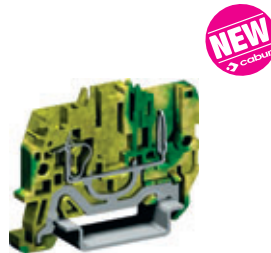
H Series

with polyamide insulating body

- spring system with connector plug for earth connections (patented)
- Easy Bridge cross connection system (patented)



SOME
EXAMPLES OF
CONNECTORS
MOUNTED ON
THE RELEVANT
TERMINAL
BLOCK



(**) dimensions with inserted connector

NEW yellow/green version		HVTE.2		CHTE.2		CHTE.2D	
TECHNICAL CHARACTERISTICS		Cat. No.	HVT500	Cat. No.	HVT900	Cat. No.	HVT910
function / type		earth spring type for connectors		female connector for one conductor		female connector for two conductors	
rated cross-section (mm²)		2,5		2,5		2,5	
connecting capacity							
flexible (mm²)		0,2 ÷ 4		0,2 ÷ 4		0,2 ÷ 4	
rigid (mm²)		0,2 ÷ 4		0,2 ÷ 4		0,2 ÷ 4	
max. flexible with ferrule (mm²)-ferrule type		2,5 - WP25/14		2,5 - WP25/14		2,5 - WP25/14	
rated voltage / rated current / gauge conf. to IEC 60947-7-1		- / - / A3		- / - / A3		- / - / A3	
rated voltage / rated current / AWG		-		-		-	
(Ex e) rated voltage  (V)		-		-		-	
rated impulse withstand voltage / pollution degree		8 kV / 3		8 kV / 3		8 kV / 3	
insulation stripping length (mm)		13		13		13	
tightening torque value (test / recommended) (Nm)		-		-		-	
height / width / thickness  TH/35 7,5 mm		41 / 50 / 5,2		67 (**) / 58 (**) / 5,2		67 (**) / 58 (**) / 5,2	
height / width / thickness  TH/35 15 mm		49 / 50 / 5,2		75 (**) / 58 (**) / 5,2		75 (**) / 58 (**) / 5,2	
height / width / thickness  G32		- / - / -		-		-	
APPROVALS		KEMA-KEUR, UL and cUL pending		KEMA-KEUR, UL and cUL pending		KEMA-KEUR, UL and cUL pending	
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections yellow/green		HVPC.2/PT/GR	HVP301GR	CHP.2/PT/GR	HVP301GR	CHP.2D/PT/GR	HVP911GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		-		PTC/03/02 poles	PTC0302	PTC/03/02 poles	PTC0302
				PTC/03/03 poles	PTC0303	PTC/03/03 poles	PTC0303
				PTC/03/05 poles	PTC0305	PTC/03/05 poles	PTC0305
				PTC/03/10 poles	PTC0310	PTC/03/10 poles	PTC0310
				PTC/03/00 (47 poles)	PTC0300	PTC/03/00 (47 poles)	PTC0300
Rated current carrying capacity of jumper (A)		24		24		24	
Multiple common bar 250 mm		PTC/SP	PTC0990	PTC/SP	PTC0990	PTC/SP	PTC0990
Shunting screw and sleeve		-		-		-	
Coloured partition red, green, white		DFH/1	DH01..	DFH/1	DH01..	DFH/1	DH01..
Cross connection barrier red		-		-		-	
Test plug socket		SDD/1	DD001	SDD/1	DD001	SDD/1	DD001
Test plug		-		SDH/5	DH005	SDH/5	DH005
Modular test plug		-		SH5/PT	DH501	SH5/PT	DH501
End section for modular test plug		-		-		-	
Lug protection cover 10 poles		-		-		-	
Numbering strip		SHZ/2	SH1...	-		-	
Screwdriver for the activation of the spring		CCH/2,5-4	CCH02	-		-	
Marking tag printed or blank		CNU/8	NU...	CCH/2,5-4	CCH02	CCH/2,5-4	CCH02
		CNU/10	NU...	-		-	
		BTU for PR/DIN and PR/3	BT005	CNU/8	NU...	CNU/8	NU...
		BTO	BT007	CNU/10	NU...	CNU/10	NU...
		BT/3 for PR/3 only	BT003	-		-	
		-		-		-	
End bracket		-		-		-	
Mounting rail according to IEC 60715 Std. 		PR/3/AC of steel	PR003	-		-	
		PR/3/AS same with slots	PR005	-		-	

HPP Series

mini morsetti serraggio a molla with polyamide insulating body

- UL94V-0
- mounting onto PR/2 type rails, TH/15 type
- available in standard (grey RAL 7035 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

HMM 2/GR size

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	500	400

The /GR tag indicates the grey colour version.

versione base	
versione (Ex)	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/15 5,5 mm

APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

HPP.2/GR	Cat. No. HP170GR
HPP.2 (Ex)i	Cat. No. HI132
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 24 A / 24-12 AWG	
(*)	
8 KV / 3	
13	
-	
35 / 36 / 5,2	



HP.2/GR	Cat. No. HP150GR
HP.2 (Ex)i	Cat. No. HI130
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 24 A / 24-12 AWG	
(*)	
8 KV / 3	
13	
-	
30 / 36 / 5,2	



Type	Cat. No.
HP/PT/GR	HP101GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFF/2	DFF2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	
-	
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

Type	Cat. No.
HPV/PT/GR	HV111GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFF/2	DFF2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	
-	
-	



Modular test plug



In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm².

The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

SUGGESTED COMPOSITION: for the mounting of terminal boards formed by terminal blocks type **HPP.2/GR** it is highly recommended to use together **HP.2/GR** and **HPP.2/GR** in a 4 to 1 ratio. Whenever there is the need to dismount the terminal board assembled in such a way, it is recommended to separate each group composed by a **HPP.2/GR** and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2.5-4) and acting in the appropriate slots of the insulating wall of the terminal blocks

HPC Series

with polyamide insulating body

- UL94V-0
- panel mount by means of clips
- panel thickness 0,6 ÷ 1,2 mm
- fixing hole Ø 3,5 mm
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Modular test plug



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	400	400

The /GR tag indicates the grey colour version.

versione base	
versione (Ex)	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/15 5,5 mm

HPC.2/GR Cat. No. **HP160GR**

HPC.2 (Ex)i Cat. No. **HI131**

passante	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
800 V / 24 A / A3	
600 V / 24 A / 24-12 AWG	
(*)	
8 KV / 3	
13	
-	
30 / 36 / 5,2	



APPROVALS

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HPV/PT/GR	HV111GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFP/2	DH02..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	
-	
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm².

The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

Insulation displacement terminal blocks

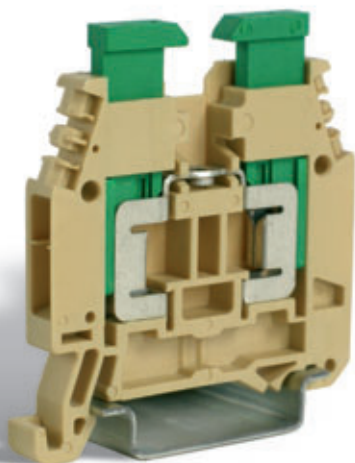
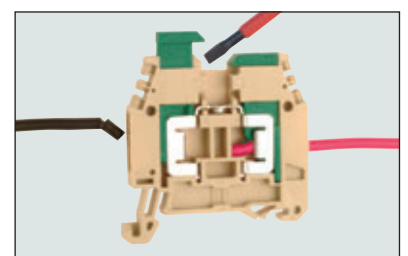
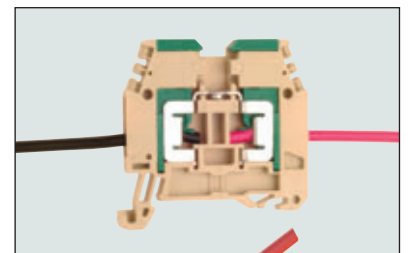
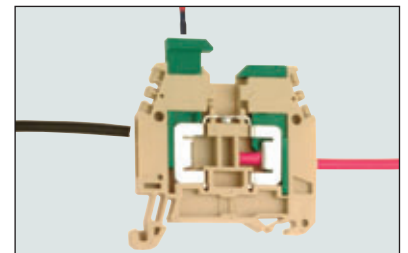
NCS terminal block is an excellent solution for the quick and safe connection of conductors having small cross-section. This system in fact minimises connection time as neither preparing the conductor nor tightening the screws is necessary. All that needs to be done is to trim the conductor and, unlike what happens in other types of connection that require an appropriate insulation stripping, introduce the end of the wire in the upper part of the conductor insertion hole. At this point the simple action, performed by the operator's fingers or with the aid of a screwdriver, of applying pressure on the taper, guides the conductor through a fork in the conducting body, with a resulting cut in the insulation and thus creating electrical contact.

In operational position, the conductor is placed in the lower part of its introduction hole.

What needs to be pointed out is that the described connection can either be performed without any tool or simply with the aid of a normal screwdriver, always at hand for any operator.

The metallic part, which covers both the functions of conducting body and wire connections, is made in a special copper alloy; it ensures the best resistance to every aggressive agent and, thanks to its own elasticity, a high number of operations (more than 50), always guaranteeing reliable electrical contacts. The particular shape and angle of the fork, suited for the displacement of the insulation and to the contact, further avoids the conductor from accidentally slipping out of place. It is equally simple to remove the conductor from the terminal block: once again, with the use of a screwdriver (please refer to the image) it is

possible to lift the taper which, in its lower part, is shaped in a way as to pull the conductor out of the contact area with the fork, freeing it for the extraction. Once extracted, if the conductor must be re-connected, it must be trimmed and the above described procedure must be repeated once again.



Note:

alongside the NCS terminal block, the NCV version is also available: this version offers on one side the I.D.C. (Insulation Displacement Connection), and on the other the traditional screw-clamp connection. Such solution can become particularly useful in case of "field" needs of larger conductors (up to a maximum of 6 mm²) or where is nevertheless requested to guarantee to the end user the use of screw-clamp connection.

NCS/V Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type



beige version	NCS		NCV	
(Ex)i version	Cat. No.	NC100	Cat. No.	NC200
TECHNICAL CHARACTERISTICS				
function / type	feed-through		version with 1 screw connection	
rated cross-section (mm²)	1,5		4 / 1,5	
connecting capacity				
flexible (mm²)	0,5 ÷ 1,5		0,2 ÷ 6 / 0,5 ÷ 1,5	
rigid (mm²)	0,5 ÷ 1		0,2 ÷ 6 / 0,5 ÷ 1	
max. flexible with ferrule (mm²)-ferrule type	-		4 - WP40/16 (screw connection side)	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 15 A / -		800 V / 15 A / A4	
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-16 AWG		600 V / 15 A / 20-16 AWG / 8,9 lb.in.	
rated impulse withstand voltage / pollution degree	8 kV / 3		8 kV / 3	
insulation stripping length (mm)	-		-	
height / width / thickness TH/35 7,5 mm	47 (53 with taper raised) / 48 / 6,2		47 (53 with taper raised) / 48 / 6,2	
height / width / thickness TH/35 15 mm	53 (61 with taper raised) / 48 / 6,2		53 (61 with taper raised) / 48 / 6,2	
height / width / thickness G32	-		-	
APPROVALS	c RU us		c RU us	
ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections grey beige blue	-	-	-	-
Permanent cross connection (intrinsically IPXXB protected once mounted)	NCS/PT	NC101	NCS/PT	NC101
	POF/99	POF99	POF/99	POF99
Rated current carrying capacity of jumper (A)	24	-	24	-
Multiple common bar 250 mm	PMP/02	PMP02	PMP/02	PMP02
Shunting screw and sleeve	CPM/99	CPM99	CPM/99	CPM99
Coloured partition red, green, white	DFU/02	DU02..	DFU/02	DU02..
Cross connection barrier red	-	-	-	-
Test plug socket	-	-	-	-
Test plug	-	-	-	-
Numbering strip	SHZ/60	SH007	SHZ/60	SH007
Screwdriver for the activation of the spring	-	-	-	-
Warning plate on adjacent terminal blocks	-	-	-	-
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...
	CSC	CS...	CSC	CS...
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BTO	BT007	BTO	BT007
	BT/3 for PR/3 only	BT003	BT/3 for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.	-	-	-	-
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

Screw-clamp terminal blocks



Melamine insulated

Feed-through and high current terminal blocks

EDM series	pages 94-97
SV series	pages 98-100

Terminal blocks for test and measurement circuits

SCX.10 series	pages 101-103
---------------------	---------------

Fuse-holder and diode-holder terminal blocks

SFC.10 - SFL.10 - FLD.10/F5	page 104
FLD.10/F6 - FLD.10/F5L - FLD.10/D	page 105
VLM.10 - VLM.10/O - VL.16	page 106
VL.16/O - VL.16/O-R - VL.16/O-M	page 107

Terminal blocks for thermocouples circuits

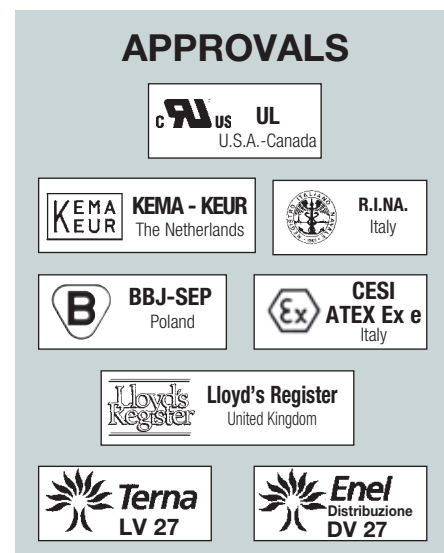
TC/DIN	page 108
--------------	----------

High current terminal blocks

CDA series	pages 109-114
------------------	---------------

EDM Series feed-through terminal blocks

with UL94V-0 (5V) melamine
insulating body



EDM terminal blocks represent the basic series in melamine produced by Cabur, having feed-through function. The whole series consists of eight types, with the following rated cross-sections in mm².

2,5 4 6 10 16 25 35 70

connection type: screw, on both sides, indirect and anti-loosening in response to pressure-plate action. The tightening screws are only accessible using a special screwdriver, and the special shape of the screw-heads make them impossible to lose. The screw tightening system offers the best guarantee of mechanical retention and efficiency under current, and is suitable for the connection of conductors of all cross-sections, with or without special preparation. The actions of tightening and loosening are extremely simple and can be carried out with tools such as screwdrivers, which are always at hand; it is important in any case to use screwdrivers of suitable dimensions and characteristics, in order to avoid damaging the screws or the insulating body.

conducting body: tube type, entirely in copper-zinc alloy with nickel-plating; the characteristics of the material used and the production method are such as to avoid the phenomenon of "seasoning cracking".

tightening reliability: suitable orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates ensure perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly efficient by the elastic function accomplished by the pressure plate, which, in actual fact, under the pressing action of the screw, tends to bend, thus exerting an applied reaction to the head of the screw itself, which resists loosening, even in cases of dynamic stress.

ease of insertion: the insertion of the conductor in the terminal block is eased by:

- sloping entrance planes
- the rounded edges of the pressure plate
- the ample size of the entrance hole relative to the diameter of the maximum allowed conductor.

other functions: as well as their main function as feed-through terminal blocks, EDM terminal blocks are designed and manufactured in such a way as to carry out other functions. Indeed, through a threaded hole in the upper part of the conducting body, it is possible to:

- create a cross connection, either permanent or switchable, between two adjoining terminal blocks (the partition in the insulating body can be easily removed)
- create a multiple commoning bar connection between different terminal blocks
- insert a test plug socket

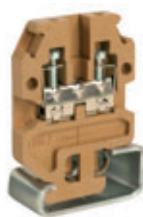
marking: all EDM terminal blocks offer the possibility of marking, on either side, using different Cabur systems (see accessories section, numbers CNU/8, SNZ and CSC).

mounting: the melamine terminal blocks in the EDM series are designed to be mounted on PR/DIN mounting rails, which conform to IEC 60715, "G32" type.

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige
Permanent cross connection	blue
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

EDM.2	Cat. No.	ED110
EDM.2 (Ex)i	Cat. No.	EI110
feed-through		
2,5		
0,5 ÷ 4		
0,5 ÷ 4		
2,5 - WP25/14		
800 V / 24 A / A3		
600 V / 20 A / 20 ÷ 12 AWG / 0,62 Nm		
500		
8 KV / 3		
13		
0,4 / 0,8		
-		
52 / 36 / 5,5		



Type	Cat. No.
EDM/2/PT	ED111
EDM/2/PT (Ex)i	EI111
PM/20/2 poles	PM202
PM/20/3 poles	PM203
PM/20/5 poles	PM205
PM/20/10 poles	PM210
24	
POS/11	POS11
PMP/01	PMP01
CPM/21 (CPX/21)	CPM21 (CPX21)
DFU/1	DU01..
PSD/D	PD004
SDD/1	DD001
-	
-	
SNZ/5	SN001
TUM/01 on 4	TQM02
-	
PRP/6	PRP06
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM.4	Cat. No.	ED210
EDM.4 (Ex)i	Cat. No.	EI210
feed-through		
4		
0,5 ÷ 6		
0,5 ÷ 6		
4 - WP40/16		
800 V / 32 A / A4		
600 V / 30 A / 20 ÷ 10 AWG / 1 Nm		
500		
8 KV / 3		
14		
0,5 / 1,2		
-		
57 / 42 / 6,5		



Type	Cat. No.
EDM/4-10/PT	ED401
EDM/4-10/PT (Ex)i	EI401
PM/40/2 poles	PM402
PM/40/3 poles	PM403
PM/40/5 poles	PM405
PM/40/10 poles	PM400
32	
POS/42	POS42
PMP/42	PMP42
CPM/12 (CPX/12)	CPM12 (CPX12)
DFU/4	DU04..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
SNZ/65	SN006
TTM/12 on 3 and on 4	TTM12
-	
PRP/6	PRP06
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM.6	Cat. No.	ED310
EDM.6 (Ex)i	Cat. No.	EI310
feed-through		
70		
0,5 ÷ 10		
0,51 ÷ 10		
6 - WP60/20		
800 V / 41 A / A5		
600 V / 50 A / 20 - 8 AWG / 1,5 Nm		
500		
8 KV / 3		
14		
0,8 / 1,4		
-		
57 / 42 / 8		

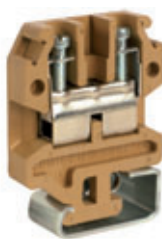


Type	Cat. No.
EDM/4-10/PT	ED401
EDM/4-10/PT (Ex)i	EI401
PM/60/2 poles	PM602
PM/60/3 poles	PM603
PM/60/5 poles	PM605
PM/60/10 poles	PM610
41	
POS/93	POS93
PMP/13	PMP13
CPM/83 (CPX/83)	CPM83 (CPX83)
DFU/4	DU04..
-	
PSD/N	PD013
SDD/1	DD001
-	
-	
SNZ/8	SN004
TTM/15 on 3	TTM12
TQM/15 on 4	TQM15
PRP/7	PRP07
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige
Permanent cross connection	blue
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

EDM.10	Cat. No.	ED400
EDM.10 (Ex)i	Cat. No.	EI400
feed-through		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 50 A / 20 ÷ 8 AWG / 1,5 Nm		
500		
8 kV / 3		
15		
1,2 / 1,9		
-		
57 / 42 / 10		



Type	Cat. No.
EDM/4-10/PT	ED401
EDM/4-10/PT (Ex)i	EI401
PM/10/2 poles (pre-assembled)	PM102
PM/10/3 poles (pre-assembled)	PM103
PM/10/5 poles (pre-assembled)	PM105
PM/10/10 poles (pre-assembled)	PM100
57	
POS/04	POS44
PMP/04	PMP04
CPM/03 (CPX/03)	CPM03 (CPX03)
DFU/4	DU04..
-	
PSD/B	PD002
SDD/2	DD002
-	
-	
SNZ/10	SN005
TTM/04 on 3	TTM04
TQM/04 on 4	TQM04
PRP/7	PRP07
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM.16	Cat. No.	ED500
EDM.16 (Ex)i	Cat. No.	EI500
feed-through		
16		
0,5 ÷ 25		
0,5 ÷ 25		
4 - WP160/22		
800 V / 76 A / B7		
600 V / 100 A / 20-3 AWG / 2,3 Nm		
500		
8 kV / 3		
17		
1,8 / 3		
-		
58 / 45 / 12		



Type	Cat. No.
EDM/16/PT	ED501
EDM/16/PT (Ex)i	EI501
POF/05 (PFX/05)	POF05 (PFX05)
(same, Ex e version)	
76	
POS/04	POS44
PMP/05	PMP05
CPM/05 (CPX/05)	CPM05 (CPX05)
DFU/4	DU04..
-	
PSD/B	PD002
SDD/2	DD002
-	
-	
-	
TUM/05 on 3 and on 4	TUM05
-	
PRP/7	PRP07
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM.25	Cat. No.	ED600
EDM.25 (Ex)i	Cat. No.	EI600
feed-through		
25		
0,5 ÷ 50		
0,51 ÷ 50		
25 - WP250/29		
800 V / 101 A / B8		
600 V / 100 A / 16 - 3 AWG / 2,5 Nm		
630		
8 kV / 3		
19		
2 / 3		
-		
64 / 52 / 16		

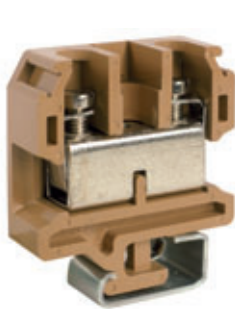


Type	Cat. No.
EDM/25/PT	ED601
EDM/25/PT (Ex)i	EI601
POF/06 (PFX/06)	POF06 (PFX06)
(same, Ex e version)	
125	
POS/66	POS66
PMP/06	PMP06
CPM/06 (CPX/06)	CPM06 (CPX06)
DFU/5	DU05..
-	
PSD/B	PD002
SDD/2	DD001
-	
-	
-	
TUM/06 on 3 and on 4	TUM06
-	
PRP/8	PRP08
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i
"intrinsic safety" circuits (blue RAL 5015 colour) versions



Version provided for the connection of an unprepared flexible conductor, up to 50 mm² and of a lug (Ø 6 mm screw with max width 15 mm) or of a bar (2 x 15 mm max).

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige
	blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

EDM.35	Cat. No.	ED700
EDM.35 (Ex)i	Cat. No.	EI700
feed-through		
35		
1,5 ÷ 50		
1 ÷ 70		
35 - WP350/30		
800 V / 125 A / B9		
600 V / 130 A / 16 ÷ 1 AWG / 3,7 Nm		
630		
8 kV / 3		
22		
2,5 / 4		
-		
65 / 58 / 18,5		



Type	Cat. No.
EDM/35/PT	ED701
EDM/35/PT (Ex)i	EI701
POF/07 (PFX/07)	POF07 (PFX07)
(same, Ex e version)	
150	
POS/77	POS77
PMP/07	PMP07
CPM/07 (CPX/07)	CPM07 (CPX07)
DFU/5	DU05..
-	
PSD/C	PD003
SDD/2	DD002
-	
-	
-	
TUM/07 on 3 and on 4	TUM07
-	
PRP/8	PRP08
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

EDM.70	Cat. No.	ED820
EDM.70 (Ex)i	Cat. No.	EI810
feed-through		
70		
1,5 ÷ 95		
1 ÷ 95		
800 V / 192 A / B11		
600 V / 220 A / 12-4/0 AWG / 5,6 Nm		
630		
8 kV / 3		
24		
3 / 5		
-		
74 / 62 / 21		



Type	Cat. No.
EDM/70/PT	ED801
EDM/70/PT (Ex)i	EI801
POF/08 (PFX/08)	POF08 (PFX08)
(same, Ex e version)	
192	
POS/08	POS08
PMP/08	PMP08
CPM/08 (CPX/08)	CPM08 (CPX08)
DFU/6	DU06..
-	
PSD/C	PD003
SDD/2	DD002
-	
-	
-	
TUM/08 on 3 and on 4	TUM08
-	
PRP/8	PRP08
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

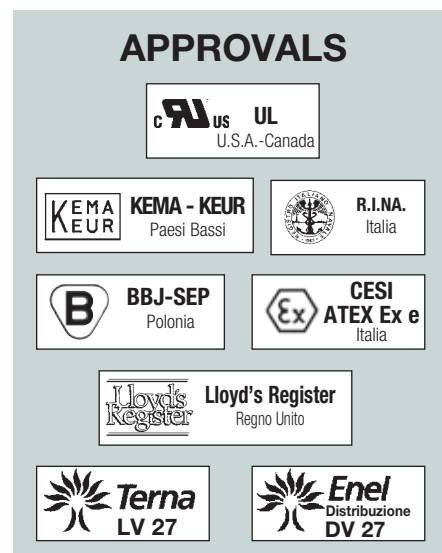
EDM.70/BC	Cat. No.	ED860
feed-through, bar/cable version		
50		
1,5 ÷ 50		
1 ÷ 50		
-		
800 V / 192 A / B11		
-		
8 kV / 3		
24		
3 / 5		
-		
74 / 62 / 21		

Approvals referred to EDM.70 standard version

Type	Cat. No.
EDM/70/PT	ED801
-	
-	
-	
-	
-	
DFU/6	DU06..
-	
-	
-	
-	
TUM/08 on 3 and on 4	TUM08
-	
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

SV Series feed-through terminal blocks

with UL94V-0 (5V) melamine
insulating body



SV series is formed by four feed-through terminal blocks in the following rated cross-sections, measured in mm²:

2,5 4 6 10

type of connection: by means of screws, on both sides, indirect and anti-loosening, thanks to the action of the loading springs. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by screws ensures the best mechanical retention and efficiency of the flow of the current. It is suitable for connection, with or without special preparation, of conductors of all cross-sections. The tightening and loosening operations are extremely simple and they can be performed with tools, such as screwdrivers which are always at hand. It is however important to use an appropriately sized screwdriver in order to avoid damaging either the screw itself or the insulating body.

conducting body and clamping system: it is constituted by wire clamping collars, with captive screws and conducting busbar, entirely made of a nickel plated zinc/copper alloy and with loading springs in passivated zinc plated steel.

tightening reliability: special orthogonal grooves on the inner surfaces of the wire clamping collars and on the surface of the conducting busbar, ensure a perfect electrical contact with the conductors and an efficient mechanical clamp. In presence of vibrations, even of high intensity, the two springs which are placed between the clamping collars and the insulating body, have the "shock absorbing" function. As a consequence, the two systems constituted by, respectively the conductors inwards and outwards from the terminal blocks, connected one to another by the busbar on one side, and by the insulating body of the terminal block fixed onto the rail, on the other side, are in this way completely independent. In addition the antiloosening connection of the conductor is guaranteed by the elasticity of the wire clamping collar, once the screw is under the tightening force of the conductor.

ease of insertion: insertion of the conductor into the terminal block is made easy by:

- sloping entrance planes on the insulating body
- the small tab on the wire clamping collar, which also avoids the insertion out from the collar itself
- a countersink on the lead-in of the collars
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

other functions: besides their main functions as feed-through, SV terminal blocks are designed in such a way as to carry out other functions. These are:

- to create a cross connection (either permanent or switchable), between two adjoining terminal blocks (by simply eliminating the diaphragm existing in the insulating body)
- create a multiple commoning bar connection between several adjoining terminal blocks
- insert a socket for a test plug

marking: all SV terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric signs up to a maximum of 6 characters (but an ADR adapter is required)).

mounting: melamine terminal blocks of SV series are designed to be mounted on PR/DIN mounting rails, according to IEC 60715 Std., "G32" type.

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 135 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

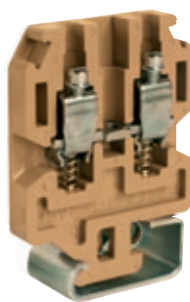
Type	Cat. No.
SV/2/PT	SV101
SV/2/PT (Ex)i	SI101
POF/11 (PFX/11)	POF11 (PFX11)
(same, Ex e version)	
24	
POS/11	POS11
PMP/01	PMP01
CPM/11 (CPX/11)	CPM11 (CPX11)
DFU/4	DU04..
-	
PSD/D	PD004
SDD/1	DD001
-	
-	
SNZ/5	SN001
TQM/02 on 4	TQM02
-	
-	
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Type	Cat. No.
SV/4/PT	SV201
SV/4/PT (Ex)i	SI201
POF/12 (PFX/12)	POF12 (PFX12)
(same, Ex e version)	
32	
POS/12	POS12
PMP/12	PMP12
CPM/12 (CPX/12)	CPM12 (CPX12)
DFU/4	DU04..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
SNZ/7	SN003
TTM/12 on 3	TTM12
TQM/12 on 4	TQM12
-	
-	
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 135 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige
	blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SV.6	Cat. No.	SV300
SV.6 (Ex)i	Cat. No.	SI300
feed-through		
6		
1,5 ÷ 10		
1,5 ÷ 10		
6 - WP60/20		
800 V / 41 A / A5		
600 V / 30 A / 20-10 AWG / 0,79 Nm		
500		
8 kV / 3		
13		
0,8 / 1,4		
-		
63 / 45 / 8		



Type	Cat. No.
SV/6/PT	SV301
SV/6/PT (Ex)i	SI301
POF/13 (PFX/13)	POF13 (PFX13)
(same, Ex e version)	
41	
POS/13	POS13
PMP/13	PMP13
CPM/13 (CPX/13)	CPM13 (CPX13)
DFU/5	DU05..
-	
PSD/E	PD005
SDD/1	DD001
-	
-	
SNZ/8	SN004
TTM/13 on 3	TTM13
TQM/13 on 4	TTM13
-	
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

SV.10	Cat. No.	SV400
SV.10 (Ex)i	Cat. No.	SI400
feed-through		
10		
1,5 ÷ 16		
1,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 55 A / 16-6 AWG / 0,79 Nm		
630		
8 kV / 3		
13		
1,2 / 1,9		
-		
64 / 45 / 10,5		

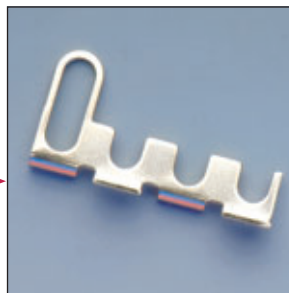


Type	Cat. No.
SV/10/PT	SV401
SV/10/PT (Ex)i	SI401
POF/14 (PFX/14)	POF14 (PFX14)
(same, Ex e version)	
57	
POS/14	POS14
PMP/14	PMP14
CPM/14 (CPX/14)	CPM14 (CPX14)
DFU/5	DU05..
-	
PSD/F	PD006
SDD/2	DD001
-	
-	
SNZ/10	SN005
TTM/14 on 3	TTM14
TQM/12 on 4	TQM14
-	
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Terminal blocks for test and measurement circuits



SCX/P0/2 Cat. No. SC103



SCX/P0/4 Cat. No. SC104



SCX/CPM Cat. No. SC105

All Cabur feed-through terminal blocks are suited to be employed in test and measurement circuits. Nevertheless, in order to realise in the optimum way the connections of the secondary circuits of measuring current transformers, the use of **SCX** series terminals is recommended; this in fact guarantees:

- high reliability and safety of both switchable and permanent electrical connections
- immediate identification of the function of the components and of the condition of the circuits
- the performing of separate blocks of disconnect and short circuit
- adequate dimensioning, in order to withstand the whole load of the connected conductors.

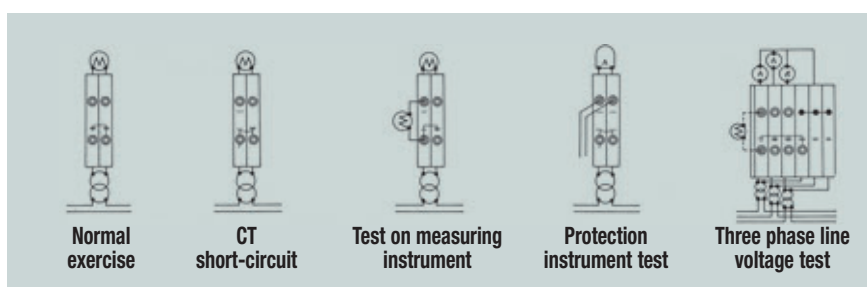
The use of **SCX/P0/2** (for two adjoining terminal blocks) and **SCX/P0/4** (for four adjoining terminal blocks) special cross connections and of **SCX/CPM**, screws and sleeves, enable to link to earth simultaneously the current transformers connected to the terminal blocks themselves, assuring the correct operational sequence. In fact such cross connections, in "open" position, prevent the manoeuvring of the slide links, avoiding the

disconnection of the current carrying circuits.

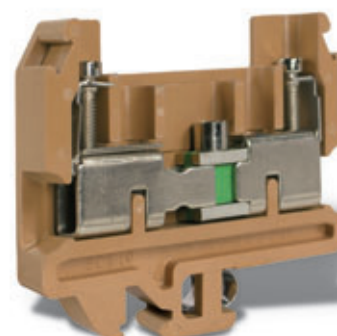
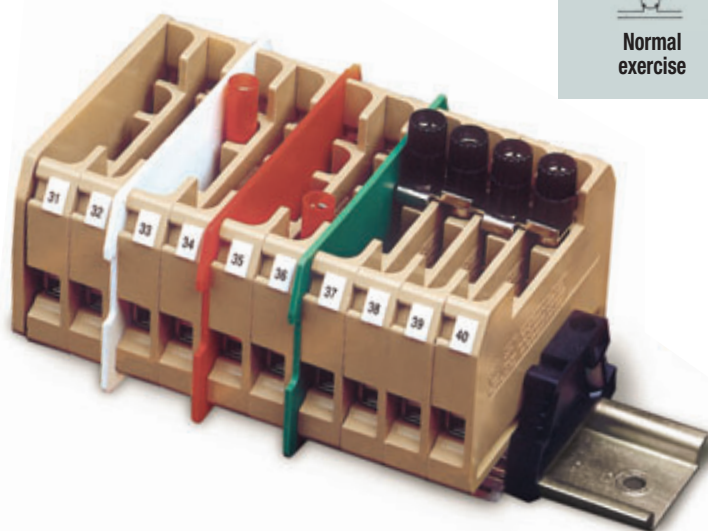
Switchable cross connections, already located outwards in an accident prevention position, must be adequately distanced from both adjoining cross connections and terminal blocks, by enclosing, within end barriers, the disconnect group. It is possible to perform shunts from the SCX.10 terminal block by means of silver plated brass SDD/2 test plugs, which can be inserted:

- in the SCX/CPM sleeves of the switchable cross connection
- in the PSD/L sockets, which can be screwed directly on to the conducting body, in order to perform solely the shunting function

The slide link is constituted by two wipers, locked by a screw inserted in a collar which enables the elastic anti-loosening clamping to the slide link and the easy positioning of the screw driver, during disconnect operations SCX.10 type disconnect terminal blocks enable the composition of various test or control circuits, some of which are shown below.



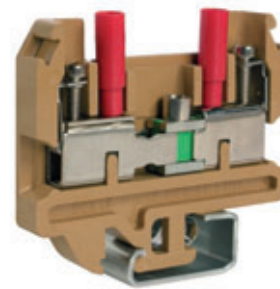
Schemi di funzionamento



Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., "G32" and TH/35 types



NOTE:
version to be mounted onto rails according to IEC 60715 Std. - type TH35

SCX.10/DD

Slide link disconnect test terminal block that allows longitudinal disconnection. Configuration provided with a test plug socket downstream and upstream the slide link, according to the ENEL LV27/3 specifications

SCX.10/0-DD Cod. **SC210**
version to be mounted onto rails according to IEC 60715 Std., "TH/35" type

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
max. flexible with ferrule (mm²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SCX.10	Cat. No.	SC100
slide link disconnect		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 45 A / 20-8 AWG / 0,79 Nm		
-		
8 KV / 3		
14		
1,2 / 1,9		
-		
63 / 73 / 10,5		

SCX.10/0	Cat. No.	SC400
slide link disconnect		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
600 V / 45 A / 20-8 AWG / 0,79 Nm		
-		
8 KV / 3		
14		
1,2 / 1,9		
63 / 73 / 10,5		
71 / 73 / 10,5		
-		

SCX.10/DD	Cat. No.	SC110
slide link disconnect in special configuration		
10		
0,5 ÷ 16		
0,5 ÷ 16		
10 - WP100/21		
800 V / 57 A / B6		
-		
8 KV / 3		
14		
1,2 / 1,9		
72 / 73 / 10,5 (version /O only)		
80 / 73 / 10,5 (version /O only)		
72 / 73 / 10,5		

APPROVALS



Other approvals referred to SCX.10

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Piastrina di c.c.	su morsetti contigui
Colonnina per piastrina	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

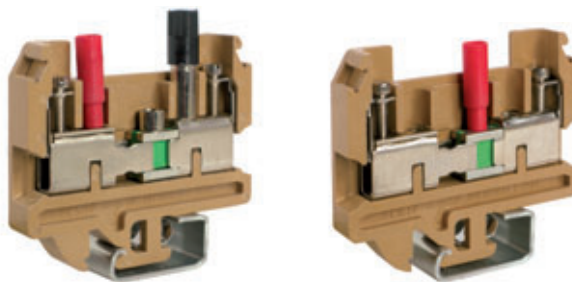
Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
-	
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
SCX/PT	SC101
POF/56	POF56
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., "G32" and TH/35 types



SCX.10/CD

Slide link disconnect test terminal block that allows longitudinal and transversal disconnection.

Configuration provided with a test plug socket downstream and upstream the slide link, according to the ENEL LV27/2 specifications

NOTE:

Terminal block type SCX.10/PI is also available in the following versions:

SCX.10/O-CD Cod. **SC220**
version to be mounted onto rails according to IEC 60715 Std., "TH/35" type

SCX.10/O/PI Cod. **SC500**
SCX.10/PI/CD Cod. **SC230**
SCX.10/PI/DD Cod. **SC240**

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / recommended)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Short-circuit plate	between adjoining terminal blocks
Sleeve for bar	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

SCX.10-CD	
Cat. No.	SC120
slide link disconnect in special configuration	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
800 V / 57 A / B6	
-	
8 KV / 3	
14	
1,2 / 1,9	
73 / 73 / 10,5 (version /O only)	
81 / 73 / 10,5 (version /O only)	
73 / 73 / 10,5	



Other approvals referred to SCX.10

SCX.10/PI	
Cat. No.	SC200
disconnect by slide link	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
800 V / 57 A / B6	
-	
8 KV / 3	
14	
1,2 / 1,9	
63 / 73 / 10,5 (version /O only)	
71 / 73 / 10,5 (version /O only)	
63 / 73 / 10,5	

Approvals referred to SCX.10

Type	Cat. No.
SCX/PT	SC101
-	
POF/56	POF56
-	
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

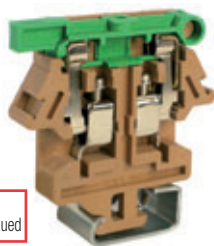
Type	Cat. No.
SCX/PT	SC101
-	
POF/56	POF56
-	
57	
-	
PMP/56	PMP56
CPM/56	CPM56
DFU/7	DU07..
-	
PSD/L	PD009
SDD/2	DD002
-	
-	
-	
SCX/PO/2 on 2	SC103
SCX/PO/4 on 4	SC104
SCX/CPM	SC105
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
-	
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
-	
-	

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

to be discontinued



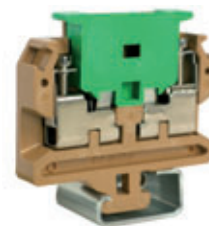
The terminal block is equipped with a lever suited to house:

- SFC/CO, conducting element in order to perform the simple disconnect operation, with shunting possibility.
- Ø 6.3 x 32 mm - 500 V - 25 A max. fuse

NOTE:
the Ø 6.3 x 32 mm fuse is not of our normal supply.



The terminal block is equipped with a lever suited to house a Ø 6.3 x 32 mm - 500 V - 25 A max. fuse and a LED signal circuit. The interruption of the fuse determines the ignition of the LED.



With cartridges suited to house a **F5** - Ø 5 x 20 mm type **fuse** or **CO/5** type - Ø 5 x 20 mm **connecting element** in order to perform the simple disconnection.



CF5
Cat. No. FL404

NOTE:
F5/... type fuse and CO/5 type conducting element are supplied separately.

(*) values referred to the insulating characteristics of the terminal block

(**) for simultaneous disconnection of adjoining terminal blocks

beige version	SFC.10	SFL.10	FLD.10/F5
	Cat. No. FC100	Cat. No. FC200	Cat. No. FL400
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect by lever fuse-holder	disconnect by lever fuse-holder with LED signal circuit	for fuse or shunting element
rated cross-section (mm²)	10	10	10
connecting capacity			
flexible (mm²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 10 A (20 with SFC/CO) / B6	800 V (*) / 10 A / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 15 A / 20-6 AWG / 0,79 Nm	300 V / 15 A / 20 ÷ 6 AWG / 0,79 Nm	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 kV (*) / 3	6 kV (*) / 3
insulation stripping length (mm)	16	16	14
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	70 / 69 / 12	75 / 69 / 12	64 / 63 / 11
APPROVALS			
ACCESSORIES			
End sections beige blue	SFC/PT FC101	SFC/PT FC101	FLD/PT FL101
Coloured partition red, green, white	DFU/6 DU06..	DFU/6 DU06..	DFU/6 DU06..
MSM handle (6 elements) (**) (5x20mm)	MSM FC103	MSM FC103	MSM FC103
Miniature fuse	-	-	-
Conducting element	SFC/CO FC102	-	F5/.. FN..ST
LED signal circuit	-	CIL/12-24-48-115-230 SF5..	CO/5 VL103
Calibration resistance	-	-	-
Test plug	SDD/2 DD002	SDD/2 DD002	SDD/2 DD002
Marking tag printed or blank	CNU/8 NU...	CNU/8 NU...	CNU/8 NU...
End bracket	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...
	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	BT/DIN/PO for PR/DIN only BT001	BT/DIN/PO for PR/DIN only BT001
	PR/DIN/AC of steel PR001	PR/DIN/AC of steel PR001	PR/DIN/AC of steel PR001
	PR/DIN/AS same with slots PR004	PR/DIN/AS same with slots PR004	PR/DIN/AS same with slots PR004
	PR/DIN/AL of aluminium PR002	PR/DIN/AL of aluminium PR002	PR/DIN/AL of aluminium PR002
Mounting rail according to IEC 60715 Std.	-	-	-

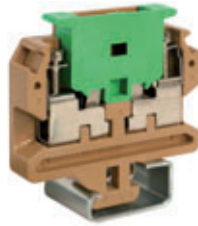
Component holders

with melamine insulating body

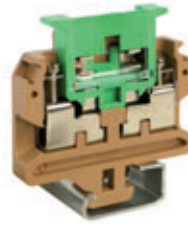
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

NOTE:

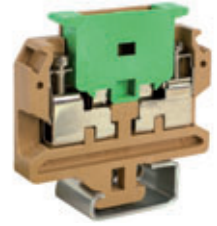
- Ø 6 x 25 mm or Ø 6,3 x 23 mm are not of normal supply
- F5 fuse and LSN lamp are supplied separately



With Ø 6 x 25 mm or Ø 6,3 x 23 mm **fuse**-holder cartridge - suited to hold our **LSN** Ø 6 x 26 mm **lamp** for voltages exceeding 70 V.



Fuse-holder terminal block for our Ø 5 x 20 mm **F5** type fuse and **LSN** (Ø 6 x 26 mm) **lamp** for voltages exceeding 70 V. The fuse blow-out determines the ignition of the lamp.



Terminal block type **FLD.10/D** allows the insertion of a 1 A diode (i.e. types 1N 4001 ÷ 4007 or BY 127) or 3 A diode (i.e. types BY 251 ÷ 255 or 1N 5401 ÷ 5407).



CF6
Cat. No. FL304



CF5L
Cat. No. FL204



CFD
Cat. No. FL504

(*) values referred to the insulating characteristics of the terminal block

beige version	FLD.10/F6 Cat. No. FL300	FLD.10/F5L Cat. No. FL200	FLD.10/D Cat. No. FL500
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse and signal lamp	for fuse and signal lamp	for diode
rated cross-section (mm²)	10	10	10
connecting capacity			
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL	-	-	-
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3	6 kV (*) / 3	6 kV (*) / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	64 / 63 / 11	64 / 63 / 11	64 / 63 / 11

APPROVALS



ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections beige	FLD/PT	FL101	FLD/PT	FL101	FLD/PT	FL101
End sections blue	-	-	-	-	-	-
Switchable cross connection	-	-	-	-	-	-
Permanent cross connection	-	-	-	-	-	-
Multiple common bar 250 mm	-	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition red, green, white	DFU/6	DU06..	DFU/6	DU06..	DFU/6	DU06..
Miniature fuse Ø 5x20 mm	-	-	F5	FN...	-	-
Signal lamp	LSN	FL202	LSN	FL202	-	-
Test plug socket	-	-	-	-	-	-
Test plug	-	-	-	-	-	-
Warning plate on adjacent terminal blocks	-	-	-	-	-	-
Cover for cross-connection	-	-	-	-	-	-
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
	-	-	-	-	-	-
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	-	-	-	-	-	-
	-	-	-	-	-	-

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type



For our (Ø 5 x 20 mm) F5 type fuse

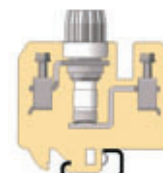


NOTE:
Version suited to be mounted onto rails
acc. to IEC 60715 Std., TH35 type



Terminal blocks type **VL.16** and **VL.16/0**
are suited for fuses type:

- Ø 13 x 50 mm - 500 V **E 16** DIAZED
- Ø 14 x 51 mm - 500 V



Connection of
internal metallic
parts

(*) values referred to the insulating characteristics of the terminal block

beige version	VLM.10	VLM.10/0	VL.16
	Cat. No. VL200	Cat. No. VL400	Cat. No. VL300
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse	for fuse	for fuse E16
rated cross-section (mm²)	10	10	16
connecting capacity			
flexible (mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 12,5 A max / B6	800 V (*) / 12,5 A max / B6	800 V (*) / 25 A max / B7
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 16-6 AWG / 1,5 Nm	600 V / 15 A / 16-6 AWG / 1,5 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 kV (*) / 3	8 kV (*) / 3
insulation stripping length (mm)	12	12	13
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,2 / 1,9	1,8 / 3
height / width / thickness TH/35 7,5 mm	-	64 / 63 / 13	-
height / width / thickness TH/35 15 mm	-	71 / 63 / 13	-
height / width / thickness G32	64 / 63 / 13	-	86 / 79 / 29

APPROVALS

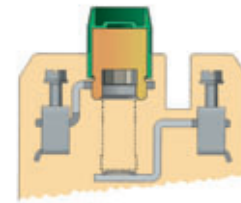
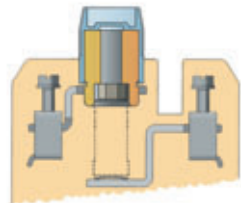


ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections beige blue	VLM/PT	VL201	VLM/PT	VL201	-	-
Switchable cross connection	-	-	-	-	-	-
Permanent cross connection 250 mm	POF/54	POF54	POF/54	POF54	POF/55	POF55
Multiple common bar 250 mm	PMP/54	PMP54	PMP/54	PMP54	PMP/55	PMP55
Shunting screw and sleeve	CPM/03	CPM03	CPM/03	CPM03	CPM/05	CPM05
Coloured partition red, green, white	DFU/3	DU03..	DFU/3	DU03..	-	-
Miniature fuse Ø 5x20 mm	F5	FN..	F5	FN..	-	-
Signal lamp	-	-	-	-	-	-
Test plug socket	PSD/B	PD002	PSD/B	PD002	PSD/B	PD002
Test plug	SDD/2	DD002	SDD/2	DD002	SDD/2	DD002
Warning plate on adjacent terminal blocks	-	-	-	-	-	-
Cover for cross-connection	-	-	-	-	-	-
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/DIN/PO for PR/DIN only	BT001	-	-	BT/DIN/PO for PR/DIN only	BT001
	-	-	BT/3 for PR/3 only	BT003	-	-
Mounting rail	PR/DIN/AC of steel	PR001	-	-	PR/DIN/AC of steel	PR001
according to IEC 60715 Std.	PR/DIN/AS same with slots	PR004	-	-	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	-	-	PR/DIN/AL of aluminium	PR002
	-	-	PR/3/AC of steel	PR003	-	-
	-	-	PR/3/AS same with slots	PR005	-	-

Fuse-holders

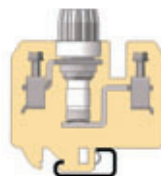
with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type



Terminal blocks type VL.16 and VL.16/0 are suited for fuses type:
 - Ø 13 x 50 mm - 500 V E 16 DIAZED
 - Ø 14 x 51 mm - 500 V

Connection of internal metallic parts



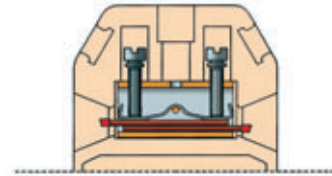
(*) values referred to the insulating characteristics of the terminal block

beige version	VL.16/0	VL.16/0-R	VL.16/0-M
	Cat. No. VL500	Cat. No. VL510	Cat. No. VL520
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse E16	for 10,3 x 38,1 mm, cc (rejection type) fuse	for 10,3 x 38,1 mm, midget (non rejection type) fuse
rated cross-section (mm²)	16	16	16
connecting capacity			
flexible (mm²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
rigid (mm²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	16 - WP160/22	16 - WP160/22	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7
rated voltage / rated current / AWG UL - cUL	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm
(Ex e) rated voltage  (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 kV (*) / 3	8 kV (*) / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / recommended) (Nm)	1,8 / 3	1,8 / 3	1,8 / 3
height / width / thickness  TH/35 7,5 mm	86 / 79 / 29	86 / 79 / 29	86 / 79 / 29
height / width / thickness  TH/35 15 mm	94 / 79 / 29	94 / 79 / 29	94 / 79 / 29
height / width / thickness  G32	-	-	-
APPROVALS			
ACCESSORIES	Type Cat. No.	Type Cat. No.	Type Cat. No.
End sections beige	-	-	-
blue	-	-	-
Switchable cross connection	-	-	-
Permanent cross connection 250 mm	POF/55 POF55	POF/55 POF55	POF/55 POF55
Multiple common bar 250 mm	PMP/55 PMP55	PMP/55 PMP55	PMP/55 PMP55
Shunting screw and sleeve	CPM/05 CPM05	CPM/05 CPM05	CPM/05 CPM05
Coloured partition red, green, white	-	-	-
Miniature fuse Ø 5x20 mm	-	-	-
Signal lamp	-	-	-
Test plug socket	PSD/B PD002	PSD/B PD002	PSD/B PD002
Test plug	SDD/2 DD002	SDD/2 DD002	SDD/2 DD002
Warning plate on adjacent terminal blocks	-	-	-
Cover for cross-connection	-	-	-
Marking tag printed or blank	CNU/8 NU...	CNU/8 NU...	CNU/8 NU...
	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...	CSC (with ADR adapter) CS...
End bracket	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005	BTU for PR/DIN and PR/3 BT005
	BT/3 for PR/3 only BT003	BT/3 for PR/3 only BT003	BT/3 for PR/3 only BT003
Mounting rail according to IEC 60715 Std. 	-	-	-
	PR/3/AC of steel PR003	PR/3/AC of steel PR003	PR/3/AC of steel PR003
	PR/3/AS same with slots PR005	PR/3/AS same with slots PR005	PR/3/AS same with slots PR005

For thermocouples

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 134 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- available in standard (beige RAL 1001 colour) or (Ex)i
"intrinsic safety" circuits (blue RAL 5015 colour) versions
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(*) values referred to the insulating characteristics of the terminal block

beige version		TC/DIN	
(Ex)i version		Cat. No.	TC110
TECHNICAL CHARACTERISTICS		TC/DIN (Ex)i	Cat. No. TC210
function / type		for thermocouple circuits	
rated cross-section	(mm ²)	-	
connecting capacity		-	
flexible	(mm ²)	Ø 0,8 a 1,3 mm thermocouples	
rigid	(mm ²)	-	
max. flexible with ferrule (mm ²)-ferrule type		-	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / - / -	
rated voltage / rated current / AWG	UL	500	
(Ex e) rated voltage  / 	(V)	500	
rated impulse withstand voltage / pollution degree		8 kV / 3	
insulation stripping length	(mm)	20	
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2	
height / width / thickness	 TH/35 7,5 mm	-	
height / width / thickness	 TH/35 15 mm	-	
height / width / thickness	 G32	47 / 36 / 5,5	
APPROVALS		  	
ACCESSORIES		Type	Cat. No.
End sections	beige	EDM/2/PT	ED101
	blue	EDM/2/PT (Ex)i	EI101
Permanent cross connection (premontato)		-	
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	DFU/1	DU01..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		-	
Modular test plug		-	
End section for modular test plug		-	
Numbering strip		SNZ/5	SN001
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection		-	
Marking tag	printed or blank	-	
End bracket		CNU/8	NU...
		CSC (with ADR adapter)	CS...
		BTU for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
Mounting rail		PR/DIN/AC of steel	PR001
according to IEC 60715 Std.		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		-	
		-	

(TC/DIN) - Special version of feed-through EDM.2, terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, thermocouple circuits of any type can be tightened up without the intervention of any other compensation material.

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those having different diameters, stripped of their insulating protection for a length of 20 mm, are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as it happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

Within the range of melamine insulated feed-through terminal blocks, **CDA** series terminals represent the so-called "power terminal blocks", with relatively large rated cross sections and consequently high current carrying capacity. The series is formed by homotetic terminal blocks, in the following rated cross-sections in mm², referred to flexible conductors:

70 120 185

For each of the three sizes, three different versions are available, depending on the **type of connection**:

- bar/bar (/BB):

which allows the connection, on both sides, of conductors provided with lugs or two bars

- bar/cable (/BC):

which allows the connection of two cables, of which one is provided with a lug and the other is without special preparation

- cable/cable (/CC):

which allows, on both sides, the connection of conductors without special preparation.

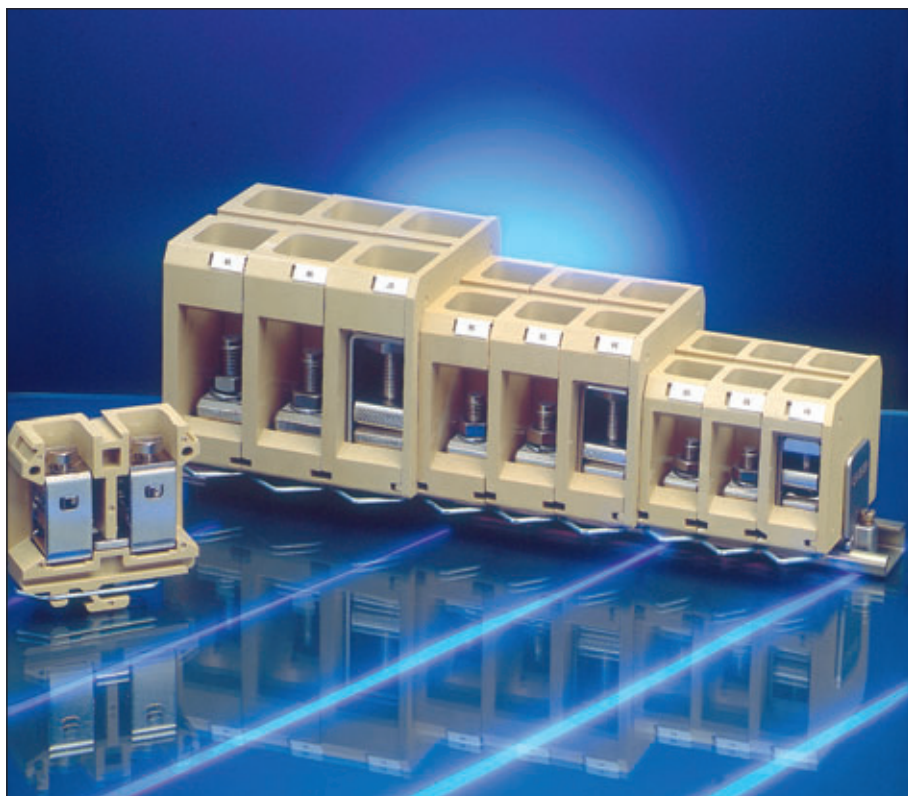
CDA series terminal blocks have the possibility to be modified according to the specific needs; in fact from the bar/bar version it is possible to obtain the bar/cable or the cable/cable version, by simply removing the screw, the washer and the nut from either one or both the sides of the conducting busbar and inserting one or two CDA/CO wire clamping collars, which can be supplied apart as normal accessories.

tightening reliability:

the clamping of the cable lug or the bar onto the conducting busbar is secured by means of a screw and a nut and with the interposition of a grower washer.

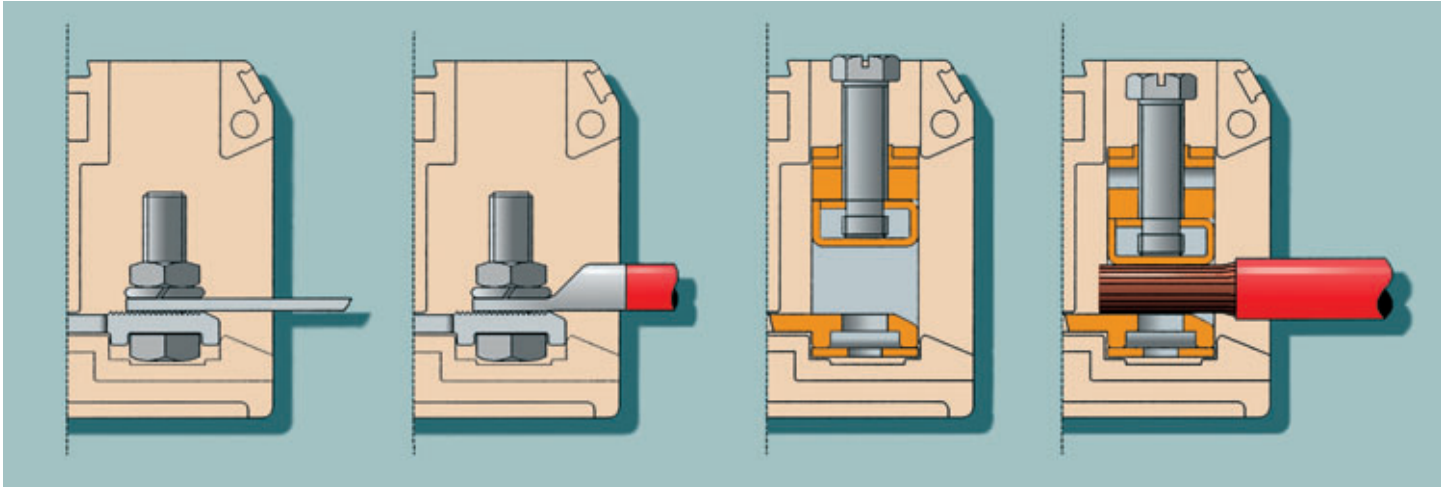
In the collar clamping versions, the reliability is guaranteed by the particular shape of the pressure block, manufactured in such a way as to exploit the reaction to the pressure force on the conductors as a lock for the screw, even in presence of vibrations and other dynamic stress.

Furthermore, both the conducting busbar and the pressure lock are provided with transversal grooving which ensure a perfect electrical contact an efficient mechanical retention.



NOTE:

in the wire clamping collar versions, the tightening screw is provided with both the slot for the screwdriver (of adequate dimension) for the preliminary tightening of the conductor, and with hexagon head for the definitive tightening, up to the requested values of tightening torque.



easy cable insertion:

in the wire clamping collar versions, the insertion of the conductor is eased by:

- sloping entrance planes on the insulating body
- the rounded shape of the pressure block
- chamfering on the conducting busbar
- adequate dimensioning of the conductor insertion hole.

To this regard, CDA terminal blocks offer a capacity greatly exceeding the indicated rated reference values, in fact the maximum conductors which can be effectively connected are:

- flexible:

70 150 240 mm²

- rigid:

95 185 240 mm²

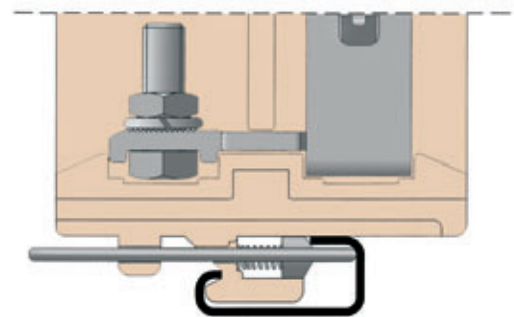
marking:

CDA series terminal blocks are suited to be marked with CNU/8 or CSC (the latter system requires an ADR adapter).

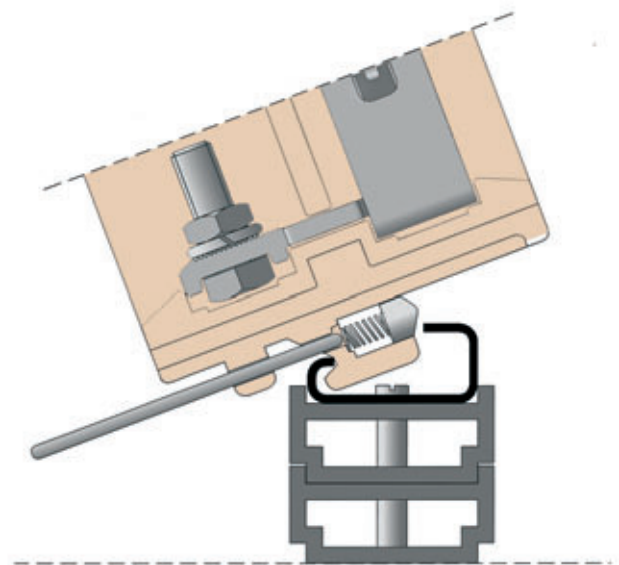
The slots on the upper front side of each terminal block allow the insertion of further indication related to the entire terminal board.

mounting:

as these terminal blocks are suitable for the connection of very heavy and poorly ductile conductors, a fork-type locking pin has been inserted in the foot of the insulating body in order to grant major stability on the mounting rail. During mounting it is necessary to consider proper spacing for the fully unlocked pin.



In case the mounting rail is placed on a flat surface, CDA terminal block dimensions require the use of a supporting bracket (ACI121213 type), in order to distance adequately the terminal board from the panel itself. For CDA.70, only one bracket is required, whilst two are requested for CDA.120 and CDA.185.



CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

protection:

CDA terminal blocks can be further protected against direct and/or accidental contact by means of proper PRT type covers (of different sizes: medium or big) of self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on SPS supports, also of self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap once mounted.

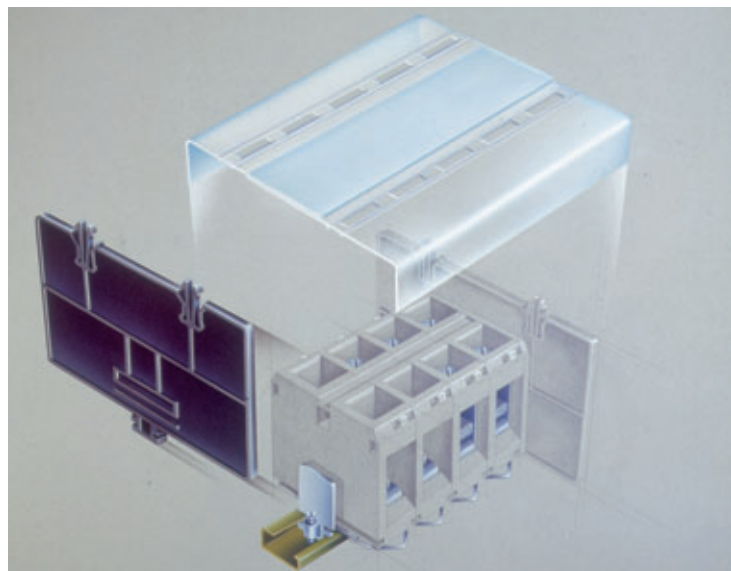
- for terminal blocks type CDA.70 and 120

PRT/M+SPS/5

- for terminal blocks type CDA.185

PRT/M+SPS/7

PRT/G size must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.



CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



beige version	CDA.70/CC	CDA.120/CC	CDA.185/CC			
	Cat. No. CD300	Cat. No. CD600	Cat. No. CD910			
(Ex)i version						
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm²)	70	120	185			
connecting capacity						
flexible (mm²)	2,5 ÷ 70	6 ÷ 150	6 ÷ 240			
rigid (mm²)	2,5 ÷ 95	4 ÷ 185	4 ÷ 240			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / B11	800 V / 269 A / B13	800 V / 353 A / B15			
rated voltage / rated current / AWG / tightening torque value UL	600 V / 175 A / 12-2/0 AWG / 10 Nm	600 V / 255 A / 12-250 kcmil / 25 Nm	600 V / 310 A / 10-350 kcmil / 30 Nm			
(Ex e) rated voltage  /  (V)	630	630	630			
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	8 kV / 3			
insulation stripping length (mm)	27	32	40			
tightening torque value (test / recommended) (Nm)	3,5 / 6 (13 mm wrench)	4 / 10 (15 mm wrench)	- / 14 (17 mm wrench)			
height / width / thickness  TH/35 7,5 mm	-	-	-			
height / width / thickness  TH/35 15 mm	-	-	-			
height / width / thickness  G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38			
APPROVALS	     	     	     			
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	CDA/70/PT	CD101	CDA/120/PT	CD401	CDA/185/PT	CD701
Clamping collar	CDA/70/CO	CD102	CDA/120/CO	CD402	CDA/185/CO	CD703
Protection cover	PRT/M	PRT02	PRT/M	PRT02	PRT/M	PRT02
Protection cover support	SPS/5	SPS05	SPS/5	SPS05	SPS/7	SPS07
Mounting rail support	ACI121213	Z121213	ACI121213	Z121213	ACI121213	Z121213
Marking tag printed or blank	CNU/8	NU...	CNU/8	NU...	CNU/8	NU...
End bracket	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...	CSC (with ADR adapter)	CS...
	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	CDA/BT	CD003	CDA/BT	CD003	CDA/BT	CD003
	-	-	-	-	-	-
Mounting rail according to IEC 60715 Std. 	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	-	-	-	-	-	-
	-	-	-	-	-	-

CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(*) the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

(**) tightening: with a screwdriver / hex wrench

(***) distance between the cable lug fixing screw axis and the conductor body: 10 mm

(***) distance between the cable lug fixing screw axis and the conductor body: 12 mm

(***) distance between the cable lug fixing screw axis and the conductor body: 15 mm

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm²)
connecting capacity	
flexible	(mm²)
rigid	(mm²)
barre o capicorda (*)	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
coppia di serraggio / cavo (**)	(Nm)
coppia di serraggio / barra	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CDA.70/BC	
Cat. No.	CD200
feed-through	
70	
2,5 ÷ 70	
2,5 ÷ 95	
21 mm max width (M8 bolt) (***)	
800 V / 192 A / B11	
600 V / 175 A / 12-2/0 AWG / 10 Nm	
630	
8 kV / 3	
27	
3,5 / 6 (13 mm wrench)	
- / 3 (13 mm wrench)	
-	
83 / 83 / 27	

CDA.120/BC	
Cat. No.	CD500
feed-through	
120	
6 ÷ 150	
4 ÷ 185	
25 mm max width (M10 bolt) (***)	
800 V / 269 A / B13	
600 V / 255 A / 12-250 kcmil / 25 Nm	
630	
8 kV / 3	
32	
4 / 10 (15 mm wrench)	
- / 6 (13 mm wrench)	
-	
101 / 96 / 32	

CDA.185/BC	
Cat. No.	CD810
feed-through	
185	
6 ÷ 240	
4 ÷ 240	
30 mm max width (M12 bolt) (***)	
800 V / 353 A / B15	
600 V / 310 A / 10-350 kcmil / 30 Nm	
630	
8 kV / 3	
40	
- / 14 (17 mm wrench)	
- / 14 (19 mm wrench)	
-	
117 / 110 / 38	

APPROVALS



ACCESSORIES	
End sections	
Clamping collar	
Protection cover	
Protection cover support	
Mounting rail support	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CDA/70/PT	CD101
CDA/70/CO	CD102
PRT/M	PRT02
SPS/5	SPS05
ACI121213	Z121213
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Type	Cat. No.
CDA/120/PT	CD401
CDA/120/CO	CD402
PRT/M	PRT02
SPS/5	SPS05
ACI121213	Z121213
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Type	Cat. No.
CDA/185/PT	CD701
CDA/185/CO	CD703
PRT/M	PRT02
SPS/7	SPS07
STP (***)	ST001
CNU/8	NU...
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
CDA/BT	CD003
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

CDA Series high current terminal blocks

with melamine insulating body

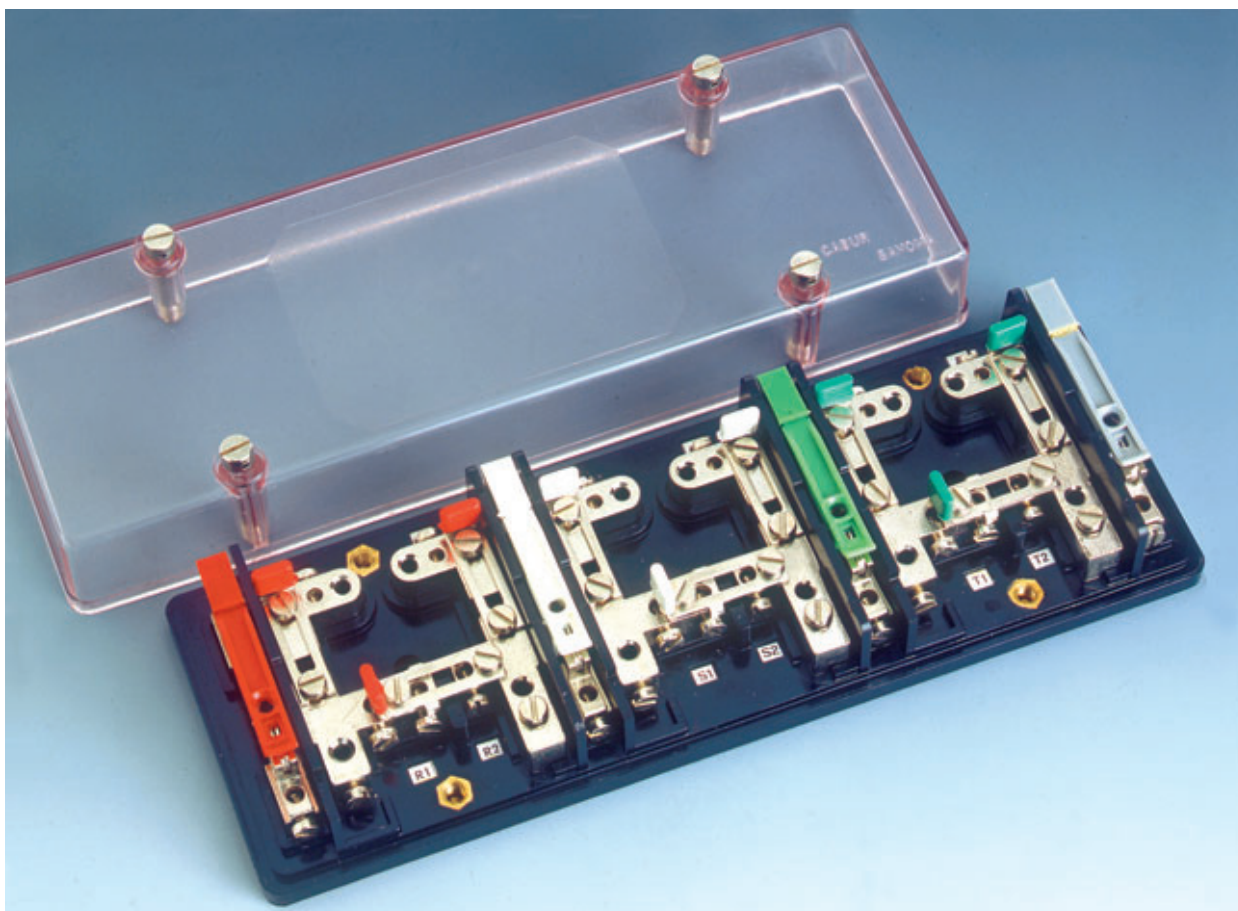
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e  certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(*) the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

beige version		CDA.70/BB Cat. No. CD100		CDA.120/BB Cat. No. CD400		CDA.185/BB Cat. No. CD710	
(Ex)i version							
TECHNICAL CHARACTERISTICS							
function / type		feed-through		feed-through		feed-through	
rated cross-section (mm²)		70		120		185	
connecting capacity							
flexible (mm²)		-		-		-	
rigid (mm²)		-		-		-	
barre o capicorda (*)		21 mm max width (M8 bolt) (**)		25 mm max width (M10 bolt) (**)		30 mm max width (M12 bolt) (**)	
rated voltage / rated current / gauge conf. to IEC 60947-7-1		800 V / 192 A / -		800 V / 269 A / -		800 V / 353 A / -	
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage  /  (V)		600 V / 175 A / 12-2/0 AWG / 10 Nm 630		600 V / 255 A / 12-250 kcmil / 25 Nm 630		600 V / 310 A / 10-350 kcmil / 30 Nm 630	
rated impulse withstand voltage / pollution degree		8 kV / 3		8 kV / 3		8 kV / 3	
insulation stripping length (mm)		-		-		-	
tightening torque value (test / recommended) (Nm)		- / 3 (13 mm wrench)		- / 6 (17 mm wrench)		- / 14 (19 mm wrench)	
height / width / thickness 		-		-		-	
height / width / thickness 		-		-		-	
height / width / thickness 		83 / 83 / 27		101 / 96 / 32		117 / 110 / 38	
APPROVALS		  		  		  	
ACCESSORIES							
End sections		CDA/70/PT CD101		CDA/120/PT CD401		CDA/185/PT CD701	
Clamping collar		CDA/70/CO CD102		CDA/120/CO CD402		CDA/185/CO CD703	
Protection cover		PRT/M PRT02		PRT/M PRT02		PRT/M PRT02	
Protection cover support		SPS/5 SPS05		SPS/5 SPS05		SPS/7 SPS07	
Mounting rail support		ACI121213 Z121213		ACI121213 Z121213		ACI121213 Z121213	
Marking tag printed or blank		CNU/8 NU...		CNU/8 NU...		CNU/8 NU...	
End bracket		CSC (with ADR adapter) CS... BTU for PR/DIN and PR/3 BT005 CDA/BT CD003		CSC (with ADR adapter) CS... BTU for PR/DIN and PR/3 BT005 CDA/BT CD003		CSC (with ADR adapter) CS... BTU for PR/DIN and PR/3 BT005 CDA/BT CD003	
Mounting rail according to IEC 60715 Std. 		PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002		PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002		PR/DIN/AC of steel PR001 PR/DIN/AS same with slots PR004 PR/DIN/AL of aluminium PR002	
		-		-		-	

Terminal boards for metering panels ■



Cabur control terminal boards have been developed in order to enable electric power suppliers and users to easily check measuring instruments, without interrupting the current carrying circuits during the verification itself or during the replacement of the instruments.

Each terminal board is composed by an insulating body of thermosetting resin (black phenolic resin), carrying the copper zinc alloy terminals to which the ammeter, voltmeter circuits and the devices for disconnect and short circuit operations are connected. Each terminal board is supplied with a transparent cover (of cellulose acetate), provided with appropriate captive screws for the sealing of the assembly.

The current phases are marked in different colours, to be defined when ordering.

TECHNICAL CHARACTERISTICS

rated cross-section	6 mm ²
connecting capacity	
flexible conductors	0,5 ÷ 6 mm ²
rigid conductors	0,5 ÷ 6 mm ²
conductors insertion hole	Ø 4,1 (mm)
tightening torque	1,2 (Nm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

MCM Series

The use of **MCM** series control terminal boards allows:

- 1) disconnection, upstream and downstream the measuring instruments
- 2) the insertion of a test instrument, downstream or upstream the measuring instruments
- 3) shunting, by means of common plugs, from the four connection terminals
- 4) voltage transmission from the beginning of the ammeter circuit to the disconnect blade by means of a simple cross connections.

In normal service, voltmeter leads are connected to the R-S-T terminals, whilst the ammeter leads, are to be inserted in the terminals identified R1-R2, S1-S2, T1-T2. The instruments are connected to terminals 1 and 2. The vertical slide-link cross connections are closed, the horizontal slide-link cross connections are open.

When inserting control instruments, the following instructions are to be followed:

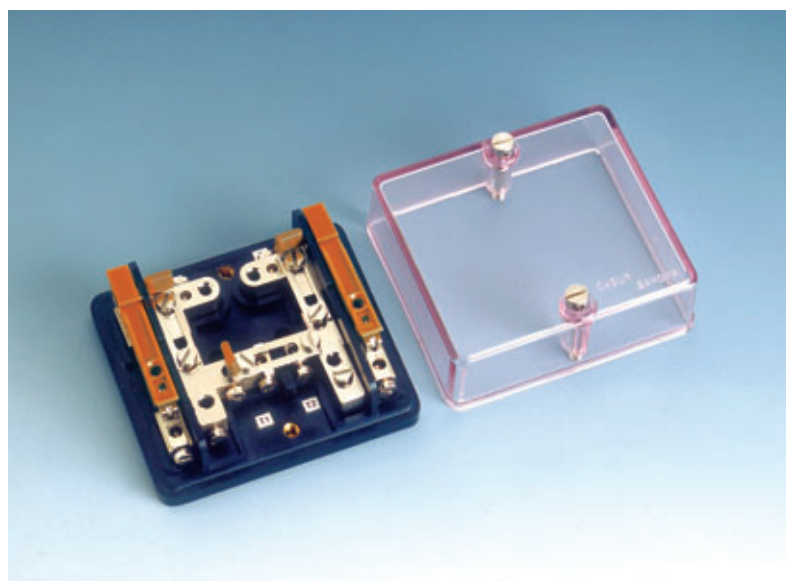
- by means of normal plugs, the voltmeter leads must be shunted from the test instrument on to the voltage sockets of the disconnect blades or to the insertion blocks of the fuse-holders;
- the ammeter leads of the test instruments must be inserted in sockets 1 ad R1 or 2 ad R2; same procedure is to be followed for the other phases;
- therefore, the corresponding vertical slide-link must be disconnected.

If there is a need to replace a measuring instrument, it is necessary to previously close the horizontal slide-links, disconnect the vertical slide-links and open the knives.

Feeding conductors (incoming and outgoing) are inserted from the rear of the terminal board, with conductors passing through slots on the insulating base of the terminal board.

for single-phase connected
electric power meters

MCM.1

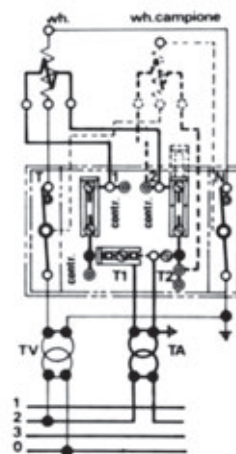


Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm

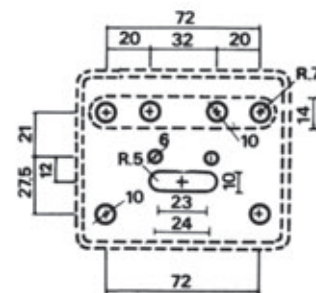
ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.1/B (white)	MC201B (adopted in Campania and Lombardy)
MCM.1/G (yellow)	MC201G (adopted in Veneto and Trentino Alto Adige)
MCM.1/R (red)	MC201R (adopted in the rest of Italy)

Application scheme



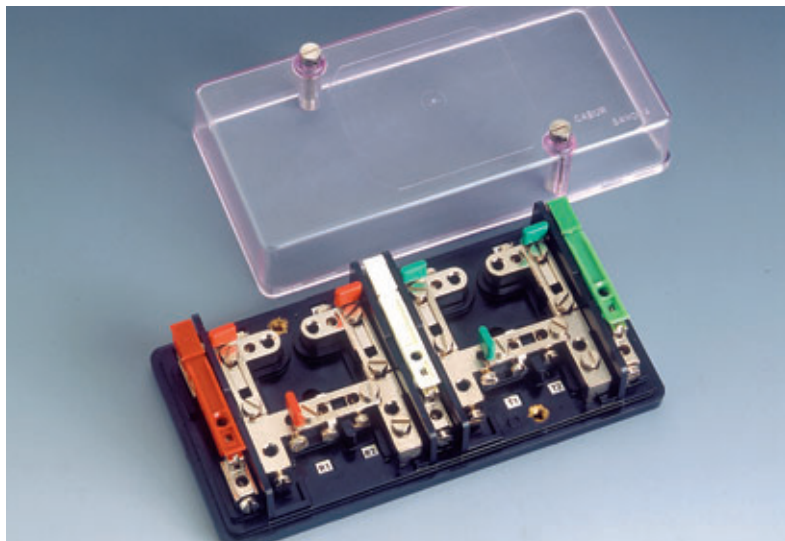
Fixing template



MCM Series

for ARON connected
electric power meters

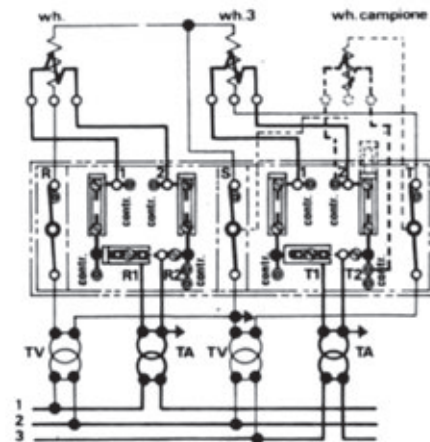
MCM.2



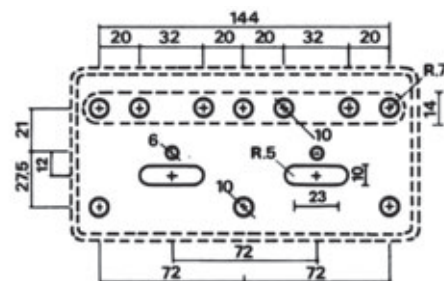
Overall dimension (with cover)
MCM.2: 170 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.2/B (white)	MC202B (adopted in Campania and Lombardy)
MCM.2/G (yellow)	MC202G (adopted in Veneto and Trentino Alto Adige)
MCM.2/R (red)	MC202R (adopted in the rest of Italy)



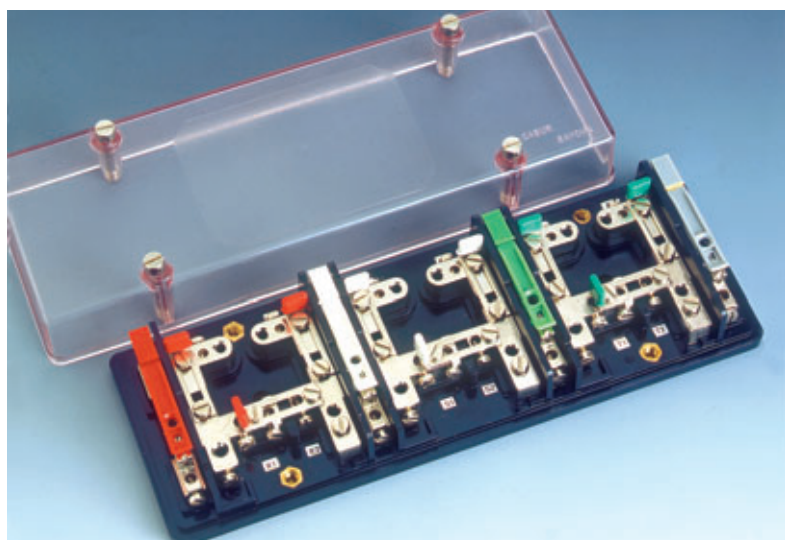
Application scheme



Fixing template

for three-phase + neutral
connected electric power meters

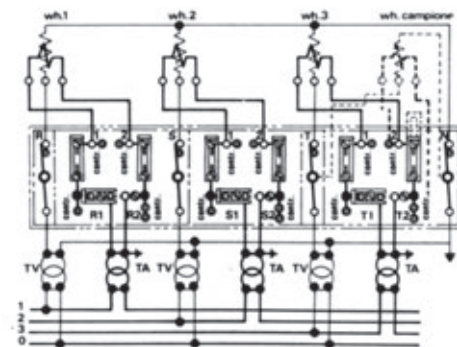
MCM.3



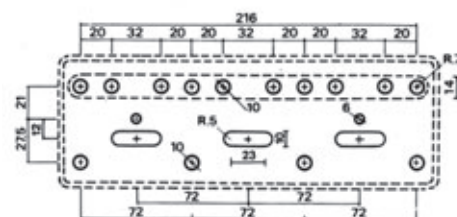
Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/B (white)	MC203B (adopted in Campania and Lombardy)
MCM.3/G (yellow)	MC203G (adopted in Veneto and Trentino Alto Adige)
MCM.3/R (red)	MC203R (adopted in the rest of Italy)



Application scheme



Fixing template

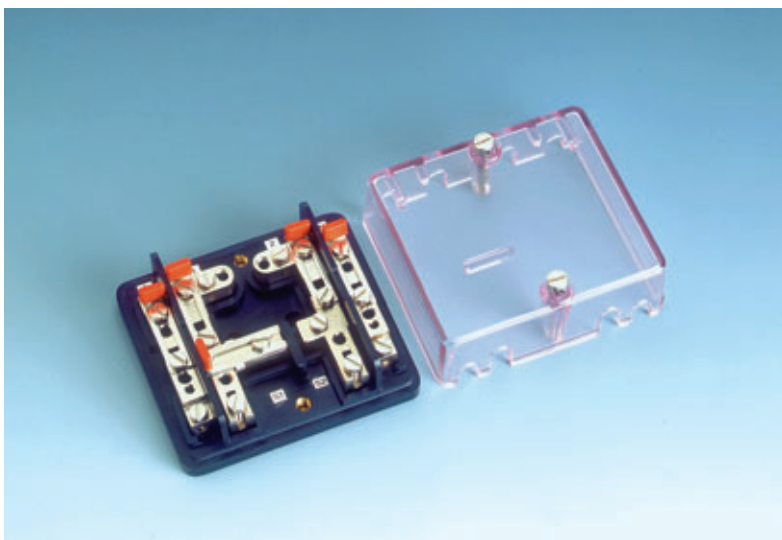
MCT/SA Series

MCT/SA series differs from MCM series in that:

- 1) the disconnection of the voltmeter leads is performed by slide-links instead of knives
- 2) feeding conductors (incoming and outgoing) are inserted frontally instead from the rear of the terminal board, with conductors passing through slots on the upper and lower sides of the cover
- 3) the cover is provided with safety locks that prevent the closing if the slide-links are not in the correct position. The employment specifications of MCT/SA terminal boards are identical to those given for MCM series.

for single-phase connected
electric power meters

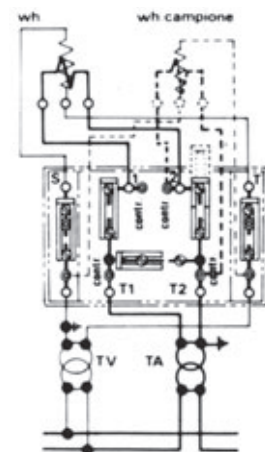
MCT.1/SA



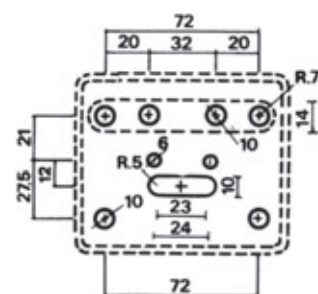
Overall dimension (with cover)
MCT.1/SA: 95 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.1/SA/B (white)	MC401B (adopted in Campania and Lombardy)
MCT.1/SA/G (yellow)	MC401G (adopted in Veneto and Trentino Alto Adige)
MCT.1/SA/R (red)	MC401R (adopted in the rest of Italy)



Application scheme

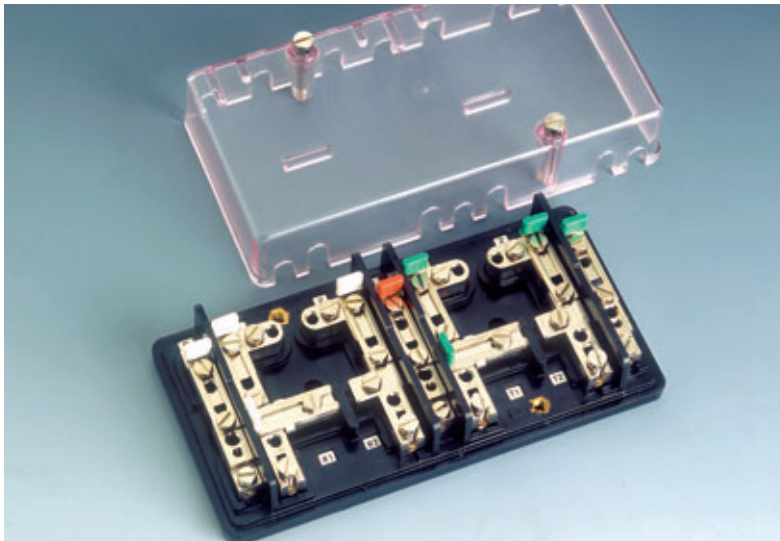


Fixing template

MCT/SA Series

for ARON connected
electric power meters

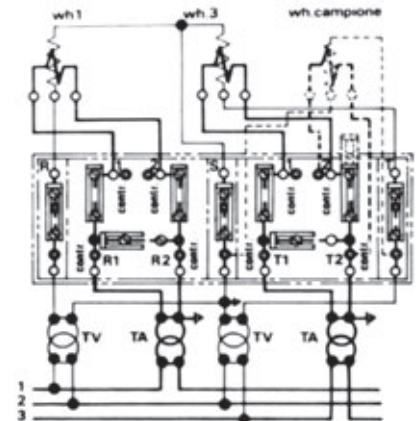
MCT.2/SA



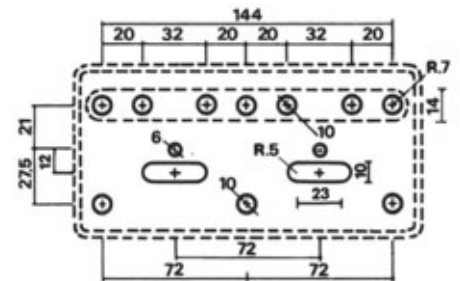
Ingombro massimo (con coperchio inserito)
MCT.2/SA: 170 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.2/SA/B (white)	MC402B (adopted in Campania and Lombardy)
MCT.2/SA/G (yellow)	MC402G (adopted in Veneto and Trentino Alto Adige)
MCT.2/SA/R (red)	MC402R (adopted in the rest of Italy)



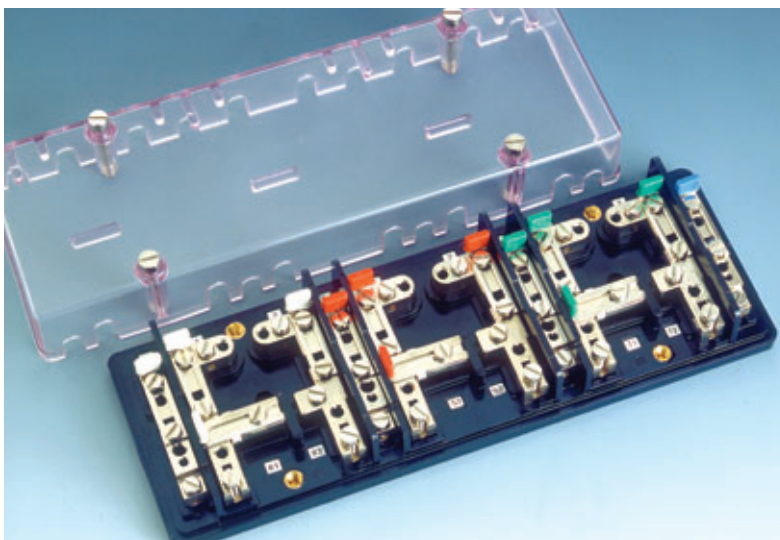
Application scheme



Fixing template

for three-phase + neutral
connected electric power meters

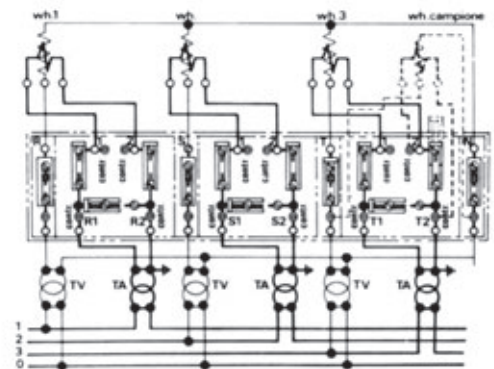
MCT.3/SA



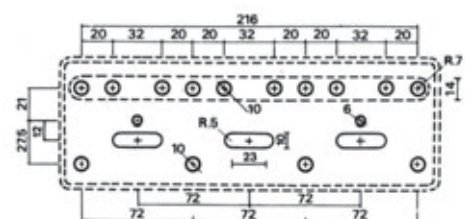
Overall dimension (with cover)
MCT.3/SA: 245 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.3/SA/B (white)	MC403B (adopted in Campania and Lombardy)
MCT.3/SA/G (yellow)	MC403G (adopted in Veneto and Trentino Alto Adige)
MCT.3/SA/R (red)	MC403R (adopted in the rest of Italy)



Application scheme

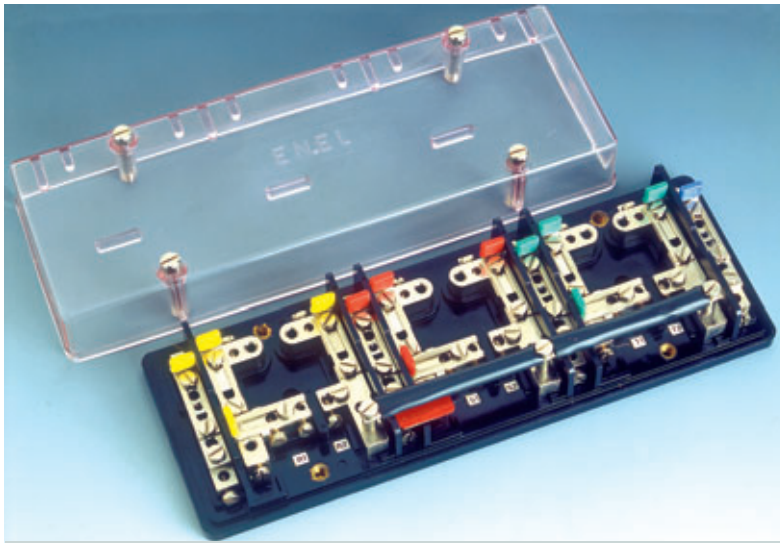


Fixing template

MCM Series

for three-phase + neutral
connected electric power meters

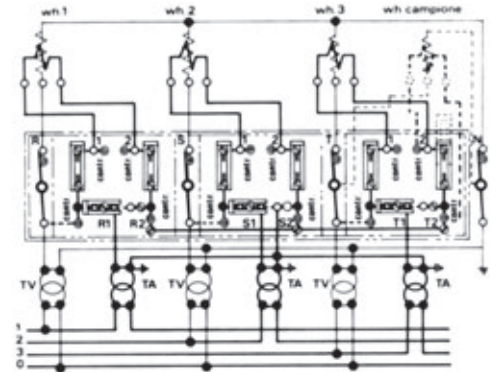
MCM.3/VE



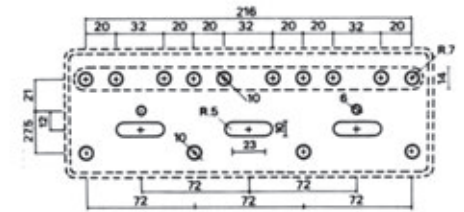
Overall dimension (with cover)
MCM.3/VE: 245 x 85 x 48 mm

ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/VE/B (white)	MC233B (adopted in Campania and Lombardy)
MCM.3/VE/G (yellow)	MC233G (adopted in Veneto and Trentino Alto Adige)
MCM.3/VE/R (red)	MC233R (adopted in the rest of Italy)

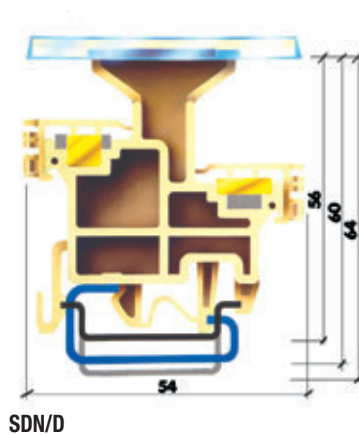


Application scheme

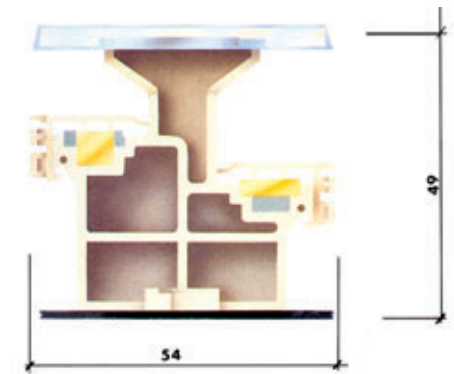


Fixing template

SDN neutral busbar supports



SDN/D

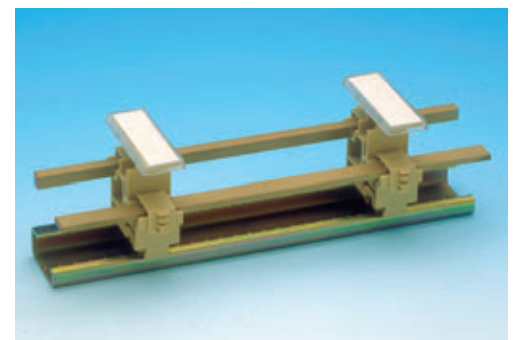


SDN/H

SDN/D (Cat. No. SD200)
to be mounted on rails according to IEC 60715 Std.

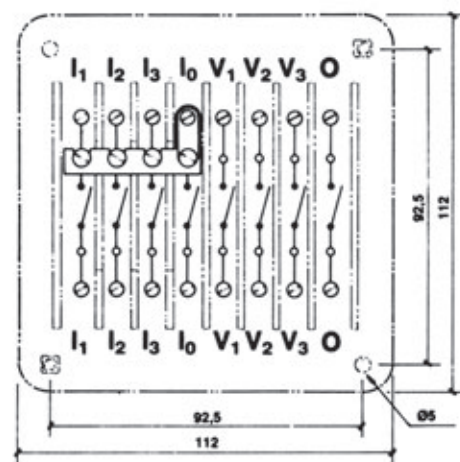
SDN/H (Cat. No. SD300)
to be screwed directly on panel

- **support pitch: 20 mm**
- **both types are suited for 6 x 6 mm or 10 x 3 mm busbars**
- **insulating body:** of beige polyamide (RAL 1001); KC 600 degree tracking resistance, UL94V-0 self-extinguishing degree. Temperature range: between - 30°C and +110°C. Provided with two housing for the marking compositions of letters or numbers (up to 3 figures), by means of CSC tags, and card holders with transparent protection for identification inscription.



MS.8x10 disconnect terminal board

8-poles, 4 ammetric and 4 voltmetric



MS/8x10/N

Cat. No.

MZ300N

TECHNICAL CHARACTERISTICS

rated cross-section	10 mm ²
connecting capacity	
flexible conductors	0,5 ÷ 16 mm ²
conductors insertion hole	5 x 10 (mm)
test tightening torque	120 (Ncm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3
thickness (with cover, including screws)	52 / 65 mm

Insulating body: of green polycarbonate, filled with fibreglass.

Conductor body: components of copper-zinc alloy with high percentage of copper and provided with nickel plating.

Cover: of black polyamide.

On request, the terminal board can be supplied according to different electrical schemes.

A version with cover in transparent cellulose acetate is available.

Type

Cat. No.

MS/8x10/T

MZ300T



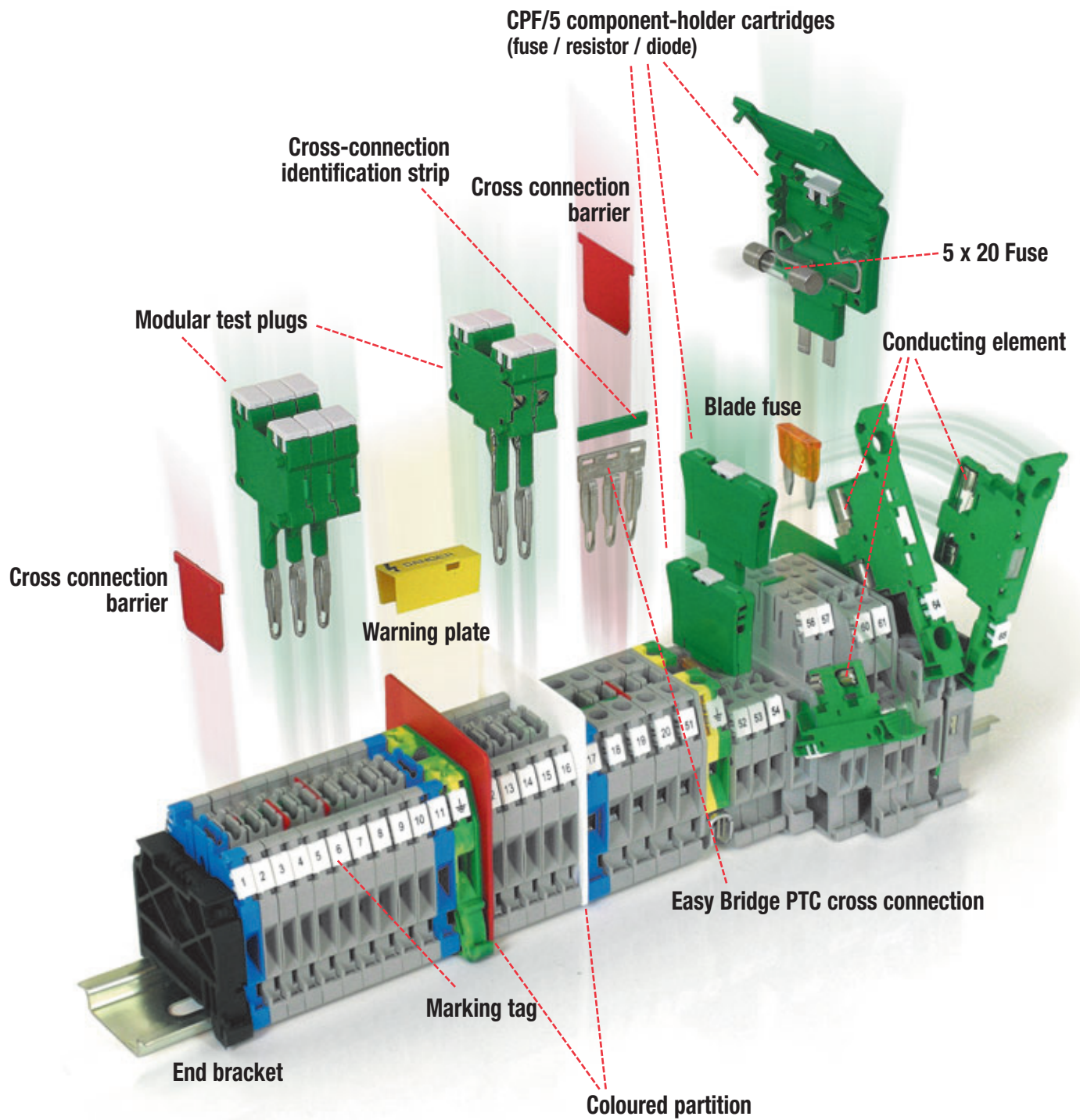
Cat. No. **MZ300N**
(black cover)

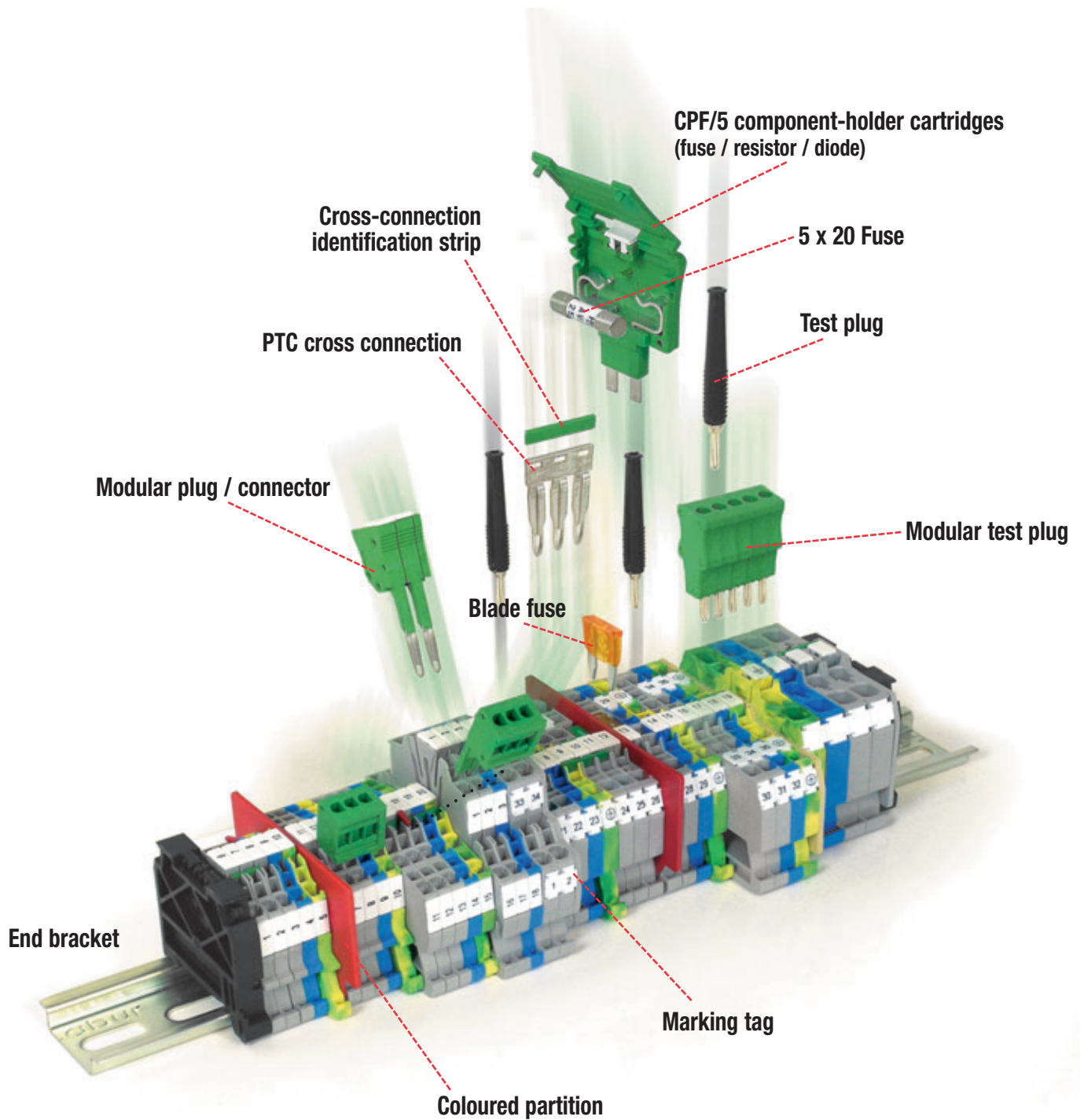


Cat. No. **MZ300T**
(transparent cover)

Accessories

Descriptive illustrations	pages 123-124
End sections	page 125
End brackets	page 126
Mounting rails	pages 127-128
Inclined brackets	pages 129-130
Flat brackets	page 131
Copper busbar blocking terminals and accessories	page 132
Pre-assembled cross-connections	page 133
Cross connections - "Easy Bridge" system - PTC series	pages 134-136
Cross connections - PH and PHD series	page 137
Permanent cross connections - POF series	page 138
Commoning bars, shunting screws and sleeves	page 139
Switchable cross connections	page 140
Modular test plugs	page 141
Test plugs and sockets	page 142
Fuses and signal accessories	page 143
Coloured partitions	page 144
Cross connection barriers and protection covers	page 145
PZM covers, PZD supports and PRP protection covers	page 146
Warning plates and MSM handle	page 147
Marking systems	pages 148-153
Specific accessories	page 154
TIM warning plate and CB/CTL pens for hand-written labelling	page 155
Screwdrivers and pliers	page 156
Ferrules	page 157
Eyelets	page 158
Spade lugs	page 159





H Series terminal block and relevant accessories.

PT end sections

For each type and cross section of terminal block, there is a specific insulating and closing end section to be placed on the open element of each terminal board. This end section may also be used to separate different phases of adjoining terminal blocks linked by cross connections or to increase insulation distances where specific circumstances may require it. The end sections have the **same overall dimension as the related terminal block**, thicknesses are given in the table below.

(*) Available also in the grey colour version; to order it please add GR to the code and /GR to the name.



Terminal block	End section			Terminal block	End section			Terminal block	End section		
	Type	Cat. No.	Thickness mm		Type	Cat. No.	Thickness mm		Type	Cat. No.	Thickness mm
Polyamide				HTE.1/2+2	HMT.1/2+2/PT	HM421	1,5	HMM.2/1+2(Ex)i	HMT.2/1+2/PT(Ex)i	HI511	1,5
AFO.2/1+1	AFO/PT	AF201	1,5	MPS.2/SV	MPS.2/PT	MP121	1,5	HMM.2/2+2(Ex)i	HMT.2/2+2/PT(Ex)i	HI521	1,5
AFO.2/2+2	AFO/PT	AF201	1,5	MPS.2/SW (*)	MPS.2/PT	MP121	1,5	HMM.4 (Ex)i	HMT.4/PT (Ex)i	HI251	1,5
AFO2/2+2/TP	AFO/PT	AF201	1,5	MPS.2/SWP (*)	MPS.2/PT	MP121	1,5	HMM.6 (Ex)i	HM.6/PT (Ex)i	HI321	1,5
CBC.2 (*)	CBC.2-10/PT	CB061	1,5	MPS.4 (*)	MPS.4/PT	MP901	1,5	HP.2(Ex)i	HP/PT (Ex)i	HP201	1,5
CBC.4 (*)	CBC.2-10/PT	CB061	1,5	MPFA.4 (*)	MPS.4/PT	MP901	1,5	HP.2/P(Ex)i	HP/PT (Ex)i	HP201	1,5
CBC.6 (*)	CBC.2-10/PT	CB061	1,5	MPS.4/SV	MPS.4/PT	MP901	1,5	HPC.2(Ex)i	HP/PT (Ex)i	HP201	1,5
CBC.10 (*)	CBC.2-10/PT	CB061	1,5	NCS (*)	NCS/PT	NC101	1,5	HPC.2(Ex)i	HP/PT (Ex)i	HP201	1,5
CBC.16 (*)	CBC.16/PT	CB161	1,5	NCV (*)	NCS/PT	NC101	1,5	HPC.2/P(Ex)i	HP/PT (Ex)i	HP201	1,5
CBC.35 (*)	CBC.35/PT	CB351	1,5	PDF.2 (*)	PDF/PT	PF101	1,5	HPP.2(Ex)i	HP/PT (Ex)i	HP201	1,5
CBD.2	CB2/PT	CB111	1,5	RFI.2/GR	RFN/PT/GR	RF101GR	1,5	HPP.2/P(Ex)i	HP/PT (Ex)i	HP201	1,5
CBD.4	CB4/6/PT	CB241	1,5	RN.1/GR	RFN/PT/GR	RF101GR	1,5	MPS.2/SW(Ex)i	MPS.2/PT(Ex)i	MP131	1,5
CBD.6	CB4/6/PT	CB241	1,5	RN.2/GR	RFN/PT/GR	RF101GR	1,5	MPS.4(Ex)i	MPS.4/PT(Ex)i	MP902	1,5
CBD.10	CB10/PT	CB431	1,5	RP.4/GR	RP.4/PT/GR	RP301GR	1,5	RN.1 (Ex)i	RFN/PT(Ex)i	RF201	1,5
CBD.16	CB16/PT	CB511	1,5	SCB.4 (*)	SCB/4/PT	SB301	1,5	RN2 (Ex)i	RFN/PT(Ex)i	RF201	1,5
CBD.35	CB35/PT	CB611	1,5	SCB.6 (*)	SCB/6/PT	SB201	1,5	RP.4(Ex)i/PT	RP.4/PT(Ex)i	RP401	1,5
CBD.50	CB50/PT	CB711	1,5	SCB.6/DD (*)	SCB/6/PT	SB201	1,5	SFO.4(Ex)i	SFO/PT (Ex)i	SF601	1,5
CBD.70	CB70/PT	CB811	1,5	SCB.6/CD (*)	SCB/6/PT	SB201	1,5	SFR.4(Ex)i	SFR/PT (Ex)i	SF801	1,5
CBE.2	CBR/PT	CR111	1,5	SFO.4	SFO/PT	SF401	1,5	SFR.6(Ex)i	SFR.6/PT(Ex)i	SR401	1,5
CBR.2 (*)	CBR/PT	CR111	1,5	SFO.4/C....	SFO/PT	SF401	1,5	TC/P(Ex)i	CB2/PT (Ex)i	CBX13	1,5
CVF.4 (*)	CVF/PT	CV101	1,5	SFR.4 (*)	SFR/PT	SF701	1,5	TLD.2(Ex)i	TLD/PT (Ex)i	TL301	1,5
CVF.4/TP	CVF/PT	CV101	1,5	SFR.4/C....	SFR/PT	SF701	1,5	VPC.2(Ex)i	VPC/PT (Ex)i	VP201	1,5
CVF.4/TPM	CVF/PT	CV101	1,5	SFR.4/D1A	SFR/PT	SF701	1,5	VPD.2(Ex)i	VPD/PT(Ex)i	VP561	1,5
CVF.4/VS	CVF/PT	CV101	1,5	SFR.4/D3A	SFR/PT	SF701	1,5	Melamine			
CVF.4/VS2	CVF/PT	CV101	1,5	SFR.4/VS (*)	SFR/PT	SF701	1,5	CDA.70/BB/BC/CC	CDA.70/PT	CD101	4
CVF.4/WW (*)	CVF/PT	CV101	1,5	SFR.6 (*)	SFR.6/PT	SR301	1,5	CDA.120/BB/BC/CC	CDA.120/PT	CD401	4
DBC.2 (*)	DBC/PT	DB101	1,5	TC/PO	CB2/PT	CB111	1,5	CDA.185/BB/BC/CC	CDA.185/PT	CD701	5
DAS.4 (*)	DAS/PT	DS101	1,5	TEO.2	TEO.2/PT	TO901	1,5	EDM.2	EDM/2/PT	ED111	3
DAS.4/CI (*)	DAS/PT	DS101	1,5	TEO.4	TEO.4/PT	TO431	1,5	EDM.4	EDM/4-10/PT	ED401	3
DAS.4/SS (*)	DAS/PT	DS101	1,5	TEO.4	TEO.4/PT	TO431	1,5	EDM.6	EDM/4-10/PT	ED401	3
DSFA.4 (*)	DSS/PT	DS301	1,5	TDE.2 (*)	TLS/PT	TL101	1,5	EDM.10	EDM/4-10/PT	ED401	3
DSS.4 (*)	DSS/PT	DS301	1,5	TLD.2 (*)	TLD/PT	TL201	1,5	EDM.16	EDM/16/PT	ED501	3
FDP.2 (*)	FDP/PT	FD101	1,5	TLE.2 (*)	TLS/PT	TL101	1,5	EDM.25	EDM/25/PT	ED601	3
FFS.4 (*)	FFS/PT	FF101	1,5	TLS.2 (*)	TLS/PT	TL101	1,5	EDM.35	EDM/35/PT	ED701	3
FVS.4 (*)	FVS/PT	FV101	1,5	VPC.2 (*)	VPC/PT	VP101	1,5	EDM.70	EDM/70/PT	ED801	3,5
HCD.1/GR	HCD.1/PT/GR	HC201GR	1,5	VPC.2/GR	VPC/PT	VP101	1,5	FLD.10/..	FLD/PT	FL101	3
HMD.2/GR	HMD/PT/GR	HD101GR	1,5	VPD.2 (*)	VPD/PT	VP501	1,5	SCX.10	SCX/PT	SC101	3
HMF.4/GR	HMF/PT/GR	HF111GR	1,5	TR.2	TR.2/PT	TR111	1,5	SFC.10	SCF/PT	FC101	5
HSCB.4/GR	HSCB.4/PT/GR	HB101GR	1,5	(Ex)i Polyamide				SFL.10	SFC/PT	FC101	5
HSCB.6/GR	HSCB.6/PT/GR	HB201GR	1,5	CBC.2(Ex)i	CBC.2-10/PT(Ex)i	CB1061	1,5	SV.2	SV/2/PT	SV101	3
HMM.2/GR	HMT.2/PT/GR	HM501GR	1,5	CBC.4(Ex)i	CBC.2-10/PT(Ex)i	CB1061	1,5	SV.4	SV/4/PT	SV201	3
HMM.2/1+2/GR	HMT.2/1+2/PT/GR	HM511GR	1,5	CBC.6(Ex)i	CBC.2-10/PT(Ex)i	CB1061	1,5	SV.6	SV/6/PT	SV301	3,5
HMM.2/2+2/GR	HMT.2/2+2/PT/GR	HM521GR	1,5	CBC.10(Ex)i	CBC.2-10/PT(Ex)i	CB1061	1,5	SV.10	SV/10/PT	SV401	3,5
HMM.2/2+2/S/GR	HMT.2/2+2/PT/GR	HM521GR	1,5	CBC.16(Ex)i	CBC.16/PT(Ex)i	CB1161	1,5	TC/DIN	EDM2/PT	ED111	3
HMM.4/GR	HMT.4/PT/GR	HM251	1,5	CBC.35(Ex)i	CBC.35/PT(Ex)i	CB1351	1,5	VLM.10	VLM/PT	VL201	3
HMM.1/GR	HMT.1/PT/GR	HM401	1,5	CBD.2 (Ex)i	CB2/PT(Ex)i	CBX13	1,5	(Ex)i Melamine			
HMM.1/1+2/GR	HMT.1/1+2/PT	HM411	1,5	CBD.4(Ex)i	CB4/6/PT (Ex)i	CBX25	1,5	EDM.2(Ex)i	EDM/2/PT (Ex)i	EI111	3
HMM.1/2+2/GR	HMT.1/2+2/PT	HM421	1,5	CBD.6(Ex)i	CB4/6/PT (Ex)i	CBX25	1,5	EDM.4(Ex)i	EDM/4-10/PT(Ex)i	EI401	3
HMD.1/GR	HMD.1/PT/GR	HD201	1,5	CBD.10(Ex)i	CB10/PT (Ex)i	CBX44	1,5	EDM.6(Ex)i	EDM/4-10/PT(Ex)i	EI401	3
HMD.2N/GR	HMD.1/PT/GR	HD201	1,5	CBD.16(Ex)i	CB16/PT (Ex)i	CBX53	1,5	EDM.10(Ex)i	EDM/4-10/PT(Ex)i	EI401	3
HMM.6/GR	HMT.6/PT/GR	HM321	1,5	CBD.35(Ex)i	CB35/PT (Ex)i	CBX63	1,5	EDM.16(Ex)i	EDM/16/PT (Ex)i	EI501	3
HMS.2/GR	HMT.2/2+2/PT/GR	HM521	1,5	CBD.50(Ex)i	CB50/PT (Ex)i	CBX73	1,5	EDM.25(Ex)i	EDM/25/PT (Ex)i	EI601	3
HMFA.2/GR	HMT.2/1+2/PT/GR	HM521	1,5	CBD.70(Ex)i	CB70/PT (Ex)i	CBX83	1,5	EDM.35(Ex)i	EDM/35/PT (Ex)i	EI701	3
HP.2/GR	HPV/PT/GR	HV111GR	1,5	CVF.4(Ex)i	CVF/PT (Ex)i	CV201	1,5	EDM.70(Ex)i	EDM/70/PT (Ex)i	EI801	3,5
HPC.2/GR	HPV/PT/GR	HV111GR	1,5	DBC.2(Ex)i	DBC/PT(Ex)i	DB201	1,5	SV.2(Ex)i	SV/2/PT (Ex)i	SI101	3
HPP.2/GR	HP/PT/GR	HV101GR	1,5	DAS.4(Ex)i	DAS/PT (Ex)i	DS201	1,5	SV.4(Ex)i	SV/4/PT (Ex)i	SI201	3
HTE.2	HMT.2/PT	HM501	1,5	DAS.4/CI(Ex)i	DAS/PT (Ex)i	DS201	1,5	SV.6(Ex)i	SV/6/PT (Ex)i	SI301	3,5
HTE.2/1+2	HMT.2/1+2/PT	HM511	1,5	HMD.1(Ex)i	HMD.1/PT(Ex)i	HD301	1,5	SV.10(Ex)i	SV/10/PT (Ex)i	SI401	3,5
HTE.2/2+2	HMT.2/2+2/PT	HM521	1,5	HMD.2N(Ex)i	HMD.1/PT(Ex)i	HD301	1,5	TC/DIN(Ex)i	EDM2/PT (Ex)i	EI101	3
HTE.4	HMT.4/PT	HM251	1,5	HMM.1(Ex)i	HMT.1/PT (Ex)i	HI401	1,5				
HTE.6	HMT.6/PT	HM321	1,5	HMM.1/1+2(Ex)i	HMT.1/1+2/PT(Ex)i	HI411	1,5				
HTE.1	HMT.1/PT	HM401	1,5	HMM.1/2+2(Ex)i	HMT.1/2+2/PT(Ex)i	HI421	1,5				
HTE.1/1+2	HMT.1/1+2/PT	HM411	1,5	HMM.2(Ex)i	HMT.2/PT (Ex)i	HI501	1,5				

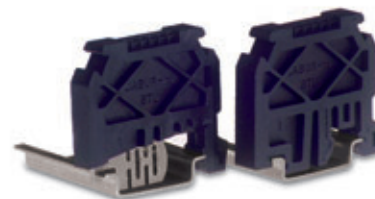
End brackets

BTU

Cat. No. **BT005**

Universal end bracket, suitable for rails according to either IEC 60715 type "G32" or IEC 60715/TH35 (types PR/DIN and PR/3); can be mounted directly in the desired position and does not require screw fixing.

- of black polyamide
- thickness: 8 mm

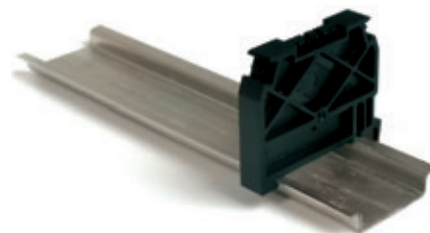


BT0

Cat. No. **BT007**

End bracket, suitable for rails according to IEC 60715/TH 35 (types PR/3); can be mounted directly in the desired position and does not require screw fixing. Especially suitable for fixing screw, high type.

- of black polyamide
- thickness: 8 mm



BT/3

Cat. No. **BT003**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/3)

- of black polyamide
- thickness: 8 mm



BT/2

Cat. No. **BT006**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/2)

- of black polyamide
- thickness: 8 mm

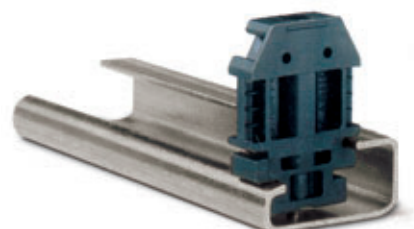


BT/DIN/PO

Cat. No. **BT001**

To be mounted on rails according to IEC 60715 Std. type "G32" (type PR/DIN)

- of black polyamide
- thickness: 8 mm



CDA/BT

Cat. No. **CD003**

To be mounted on rails according to IEC 60715 Std. type "G32" (type PR/DIN)

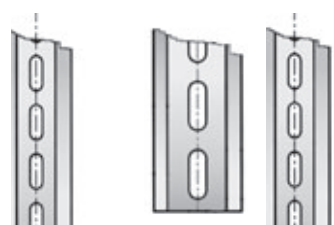
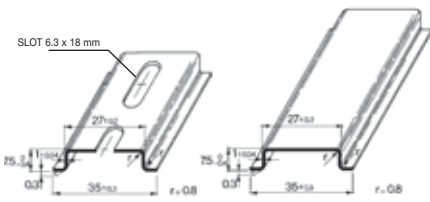
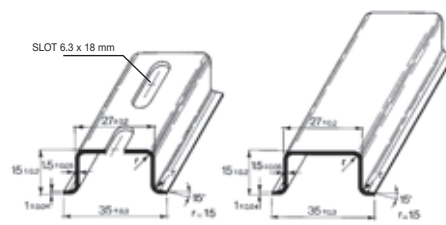
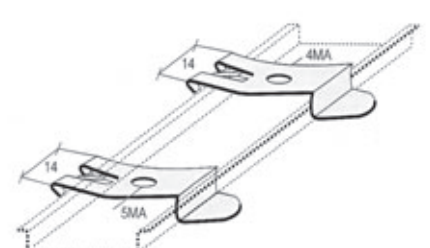
- in brass (particularly suitable for rail assemblies formed by terminal blocks of larger dimensions, such as GPM, GPA, CDA and ACB)
- thickness: 11 mm



Mounting rails

- according to IEC 60715/TH35 - 7,5
- according to IEC 60715/TH35 - 15
- supports for TH/35 type rail



DESCRIPTION	TYPE/CAT. NO.	IMAGES
IEC 60715/TH35 - 7.5 rail of passivated steel	PR/3/AC Cat. No. PR003	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel "SENDZMIR" system	PR/3/AC/ZB Cat. No. PR903	
IEC 60715/TH35 - 7.5 rail of passivated steel with slots	PR/3/AS Cat. No. PR005	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel "SENDZMIR" system with slots	PR/3/AS/ZB Cat. No. PR905	
IEC 60715/TH35 - 15 rail of passivated steel	PR/3/PP Cat. No. PR007	
IEC 60715/TH35 - 15 rail of white zinc-plated steel "SENDZMIR" system	PR/3/PP/ZB Cat. No. PR907	
IEC 60715/TH35 - 15 rail of passivated steel with slots	PR/3/PA Cat. No. PR006	
IEC 60715/TH35 - 15 rail of white zinc-plated steel "SENDZMIR" system with slots	PR/3/PA/ZB Cat. No. PR906	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 4 MA	ACI121017 Cat. No. Z121017	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 5 MA	ACI121019 Cat. No. Z121019	

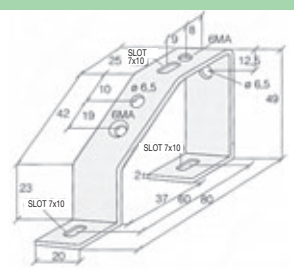
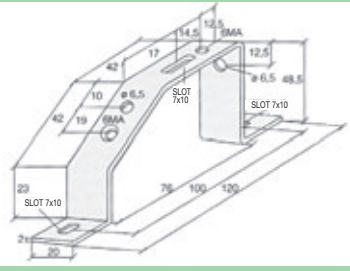
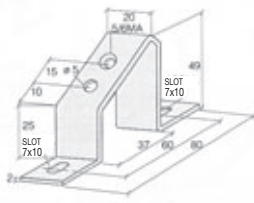
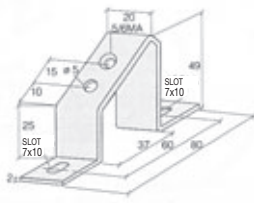
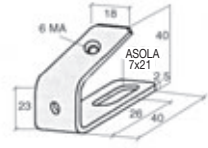
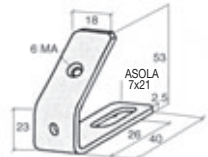
-

128

Accessories for mounting rails

- inclined bracket

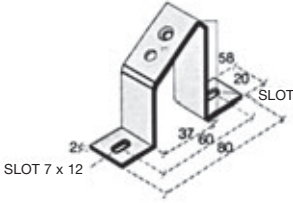
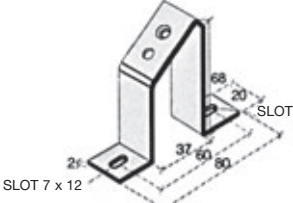
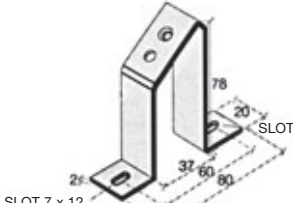
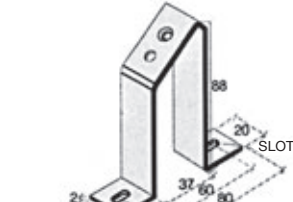
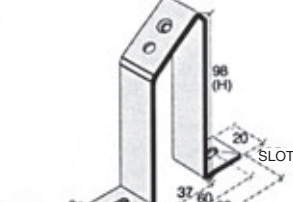


DESCRIPTION	TYPE/CAT. NO.	IMAGES
Zinc-plated inclined bracket 6 x 6 mm copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board	ACI121116 Cat. No. Z121116	
Zinc-plated inclined bracket 6 x 6 mm copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board	ACI121301 Cat. No. Z121301	
Zinc-plated inclined bracket "2" M5 standard busbar holder, with 2 screw fixing	ACI121311 Cat. No. Z121311	
Zinc-plated inclined bracket "2" M6 standard busbar holder, with 2 screw fixing	ACI121314 Cat. No. Z121314	
22°30' inclined bracket "6" M6 standard busbar holder, with 1 screw fixing	ACI121415 Cat. No. Z121415	
45° inclined bracket "1" M6 standard busbar holder, with 1 screw fixing	ACI121228 Cat. No. Z121228	

Accessories for mounting rails

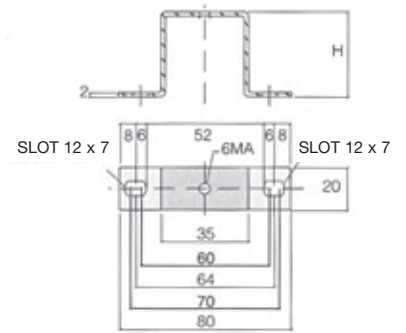
- inclined zinc plated rail brackets, suitable for mounting rail fixing - M6 threaded hole



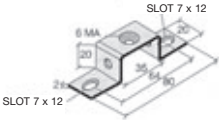
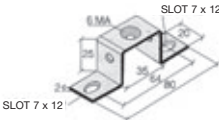
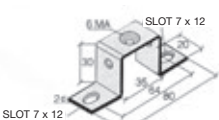
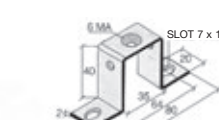
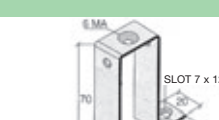
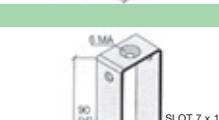
DESCRIPTION	TYPE/CAT. NO.	IMAGES
Inclined rail holder, standard H = 58 mm	ACI121316 Cat. No. Z121316	
Inclined rail holder, standard H = 68 mm	ACI121317 Cat. No. Z121317	
Inclined rail holder, standard H = 78 mm	ACI121318 Cat. No. Z121318	
Inclined rail holder, standard H = 88 mm	ACI121319 Cat. No. Z121319	
Inclined rail holder, standard H = 98 mm	ACI121410 Cat. No. Z121410	

Accessories for mounting rails

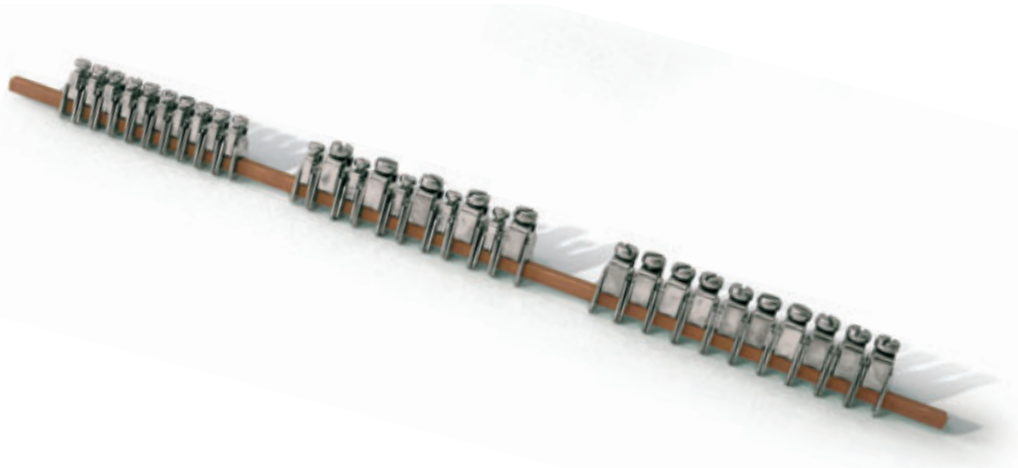
- flat zinc plated brackets, suitable for mounting rail fixing - M6 threaded hole

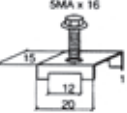
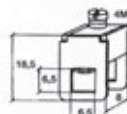
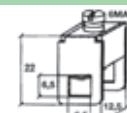
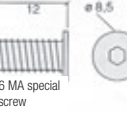
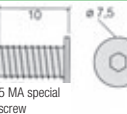
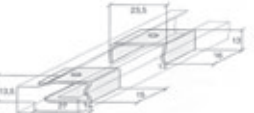
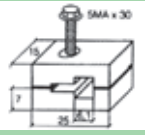
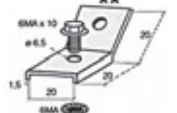


Fixing distance between centers, with 6MA screw, from 60 to 70 mm

DESCRIPTION	TYPE/CAT. NO.	IMAGES
Flat rail support, standard H = 20 mm	ACI121213 Cat. No. Z121213	
Flat rail support, standard H = 25 mm	ACI121214 Cat. No. Z121214	
Flat rail support, standard H = 30 mm	ACI121215 Cat. No. Z121215	
Flat rail support, standard H = 40 mm	ACI121216 Cat. No. Z121216	
Flat rail support, standard H = 50 mm	ACI121217 Cat. No. Z121217	
Flat rail support, standard H = 70 mm	ACI121218 Cat. No. Z121218	
Flat rail support, standard H = 90 mm	ACI121219 Cat. No. Z121219	

Accessories for mounting rails



DESCRIPTION	TYPE / CAT. NO.	IMAGES
6 x 6 mm copper busbar L = 2 m suited for the mounting of terminals for the grounding of electrical cables	ACI121123 Cat. No. Z121123	
6 x 6 mm copper busbar blocking terminal with 6 MA x 12 mm screw	ACI121118 Cat. No. Z121118	 5MA x 16
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 0.5 to 16 mm ²	ACI121119 Cat. No. Z121119	
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 4 to 35 mm ²	ACI121121 Cat. No. Z121121	 with saddle
Special hexagon slot 6 MA x 12 mm screw	ACI121026 Cat. No. Z121026	 exagonal slot 6 MA special screw
Special hexagon slot 5 MA x 10 mm screw	ACI121421 Cat. No. Z121421	 exagonal slot 5 MA special screw
4 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	ACI121211 Cat. No. Z121211	
5 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	ACI121212 Cat. No. Z121212	
6 x 6 mm copper busbar blocking terminal with 6 MA x 25 mm screw	ACI121221 Cat. No. Z121221	
Inclined copper busbar support with 6 MA x 10 mm screw and 6 MA nut	ACI121307 Cat. No. Z121307	

Pre-assembled cross sections

They are supplied in 2, 3, 5 or 10-pole pre-assembled configuration.

They allow the cross connection between two or more adjacent terminal blocks; their position once mounted is such as to **prevent injuries**.

All the components are made of nickel-plated brass.



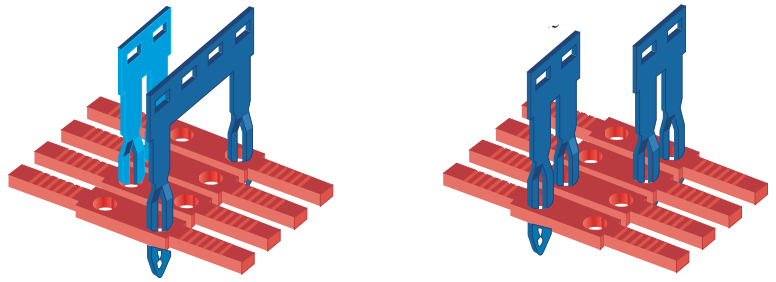
Screw-clamp terminal blocks

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
CBD.2	PM/20/2	PM202	PM/20/3	PM203	PM/20/5	PM205	PM/20/10	PM210
CBD.4	PM/40/2	PM402	PM/40/3	PM403	PM/40/5	PM405	PM/40/10	PM400
CBD.6	PM/60/2	PM602	PM/60/3	PM603	PM/60/5	PM605	PM/60/10	PM610
CBD.10	PM/10/2	PM102	PM/10/3	PM103	PM/10/5	PM105	PM/10/10	PM100
CBR.2	PM/25/2	PM252	PM/25/3	PM253	PM/25/5	PM255	PM/25/10	PM250
CVF.4	PM/40/2	PM402	PM/58/3	PM583	PM/58/5	PM585	PM/58/10	PM580
DAS.4	PM/41/2	PM412	PM/51/3	PM513	PM/51/5	PM515	PM/51/10	PM510
EDM.2	PM/20/2	PM202	PM/20/3	PM203	PM/20/5	PM205	PM/20/10	PM210
EDM.4	PM/40/2	PM402	PM/40/3	PM403	PM/40/5	PM405	PM/40/10	PM400
EDM.6	PM/60/2	PM602	PM/60/3	PM603	PM/60/5	PM605	PM/60/10	PM610
EDM.10	PM/10/2	PM102	PM/10/3	PM103	PM/10/5	PM105	PM/60/10	PM610
FDP.2	PH/2,5-4	PH100						
FFS.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
FVS.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
MPS2/SV	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
MPS.2/SW	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
MPS.2/SWP	PM/91/2	PM912	PM/91/3	PM913	PM/91/5	PM915	PM/91/10	PM910
RN.1	PM/11/2	PM112	PM/11/3	PM113	PM/11/5	PM115	PM/11/10	PM110
RP.4	PM/41/2	PM412	PM/51/3	PM513	PM/51/5	PM515	PM/51/10	PM510
SCB.4	PM/41/2	PM412	PM/41/3	PM413	PM/41/5	PM415	PM/41/10	PM410
SFO.4	PM/90/2	PM902	PM/90/3	PM903	PM/90/5	PM905	PM/90/10	PM900
TDE.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLD.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLE.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
TLS.2	PM/20/2	PM202	PM/30/3	PM303	PM/30/5	PM305	PM/30/10	PM310
RN.2	PM/12/2	PM122	PM/12/3	PM123	PM/12/5	PM125	PM/12/10	PM120
Insulated jumper								
MAC.6	PIL/2 (2 poles)	PIL02	PIL/3 (3 poles)	PIL03	PIL/4 (4 poles)	PIL04	PIL/8 (8 poles)	PIL08

Cross connections

Easy Bridge System

- screwless, snap-in insertion
- transversal and staggered mode connection possibility
- once inserted, **intrinsically IPXXB protected** resulting installation, without the need for further insulating covers
- patented system



1-2 After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.

3-4 After having mounted the cross-connection, the connected poles can be outlined and detected by the PTC/SP green strip. This strip is supplied in the 100 mm standard length and it can be easy cut to the appropriate length with the aid of a cutter.

5 To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.

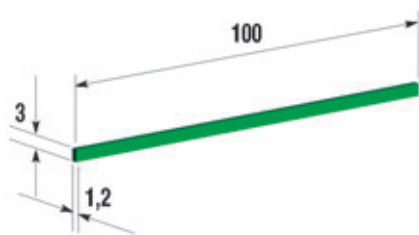
Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper		Jumper l = 250 mm		
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Poles
CBC.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
CBC.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
CBC.6 (*)	PTC/6/02	PTC0602	PTC/6/03	PTC0603	PTC/6/05	PTC0605	PTC/6/10	PTC0610	PTC/6/00	PTC0600	31
CBC.10 (*)	PTC/10/02	PTC1002	PTC/10/03	PTC1003	PTC/10/05	PTC1005	PTC/10/10	PTC1010	PTC/10/00	PTC1000	25
DBC.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
DSFA.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
DSS.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
HMM.1/GR (**)	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HMD.1/GR	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HCD.1/GR	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
HMM.2/GR (**)	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMS.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMM.4/GR (**)	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HSCB.4/GR	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HSCB.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.10/GR	PTC/11/02	PTC1102	PTC/11/03	PTC1103	PTC/11/05	PTC1105	PTC/11/10	PTC1110	PTC/11/00	PTC1100	25
HMM.16/GR	PTC/16/02	PTC1602	PTC/16/03	PTC1603	PTC/16/05	PTC1605	PTC/16/10	PTC1610	PTC/16/00	PTC1600	20
HVPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2D/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
MPS.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
MPFA.4 (*)	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
SFR.6 (*)	PTC/20/02	PTC2002	PTC/20/03	PTC2003	PTC/20/05	PTC2005	PTC/20/10	PTC2010	PTC/20/00	PTC2000	25
VPC.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
VPD.2 (*)	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50

(*) Item available in grey colour too.

(**) Including versions /1+2, /2+2, and the corresponding earth terminal blocks

Cross connections

Easy Bridge System



In badly lit panels it is not always immediate and easy to see where jumpers are inserted, except by paying great attention; and this can cause connection errors.

In order to solve this problem that Cabur has developed a marking strip to be used on its terminal blocks, where PTC jumpers are employed, this simplifies their localization, once inserted.

Only one model (PTC/SP – Cat. No. PTC0990) for all the terminal blocks has been developed, independently of the pitch or model of the PTC jumper being employed.

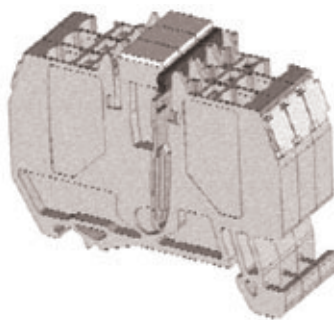
The marking strip must be fit in the jumper housing; its steadiness on the terminal block is guaranteed by the friction on the sides of the slots where the jumper is being inserted.

HMM.2 terminal block application examples

The marking strip dimensions are studied so that it cannot exceed the profile of any terminal block on which it can be applied, in order to avoid problems with numbers, cables or other accessories.

The marking strip can be applied in case of double jumpers.

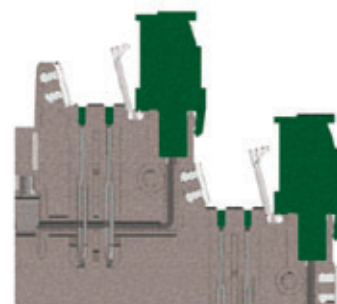
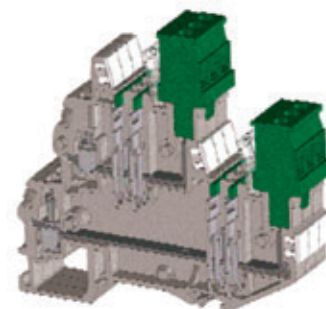
It should be noted that it is possible to apply the marking strip where other accessories are present, without having to extract it in advance.



Examples of application on the VPD.2 terminal block

The marker is produced in strips 100 mm long, and supplied in green. The user can customise the strips length freely, depending on his needs.

The strips, made of polyamide, can be easily cut by using common pliers, as they are only 1.20 mm thick.

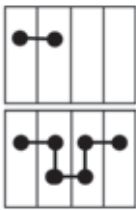
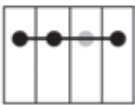
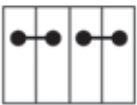
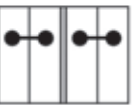
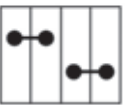
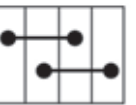


NOTE: The PTC/SP marking strip can be applied on any terminal block where PTC jumpers are used (see the list), except for HCD.1 and HMD.2N terminal blocks: here the shape of the jumper housing is such as to prevent the frictioning, which is necessary to guarantee a steady positioning and avoid the marking strip loss. Moreover, the jumpers on these two terminal blocks have a less deep insertion than all the others and therefore the presence of the jumper can be recognized without the need of a signaler.

Cross connections

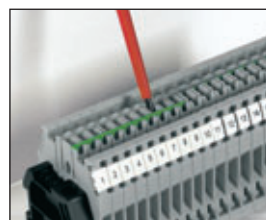
Easy Bridge System

In order to guarantee proper safety conditions, once the insertion is performed and depending on the various connection schemes, which can be obtained using PTC jumpers, the following table is supplied:

PTC jumpers configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					

Terminal block	Jumper type	Insulation voltage in the above configurations (V)					
CBC.2	PTC/2	630	630	-	500	500	500
CBC.4	PTC/4	630	500	-	500	500	500
CBC.6	PTC/6	630	630	-	630	630	500
CBC.10	PTC/10	800	630	-	630	800	500
VPC.2	PTC/2	320	320	-	320	320	320
HMFA.2 - HMS.2	PTC/3	630	500	-	500 (*)	-	-
HMM.1 series	PTC/1	630	630	-	320	630	630
HMM.2 series	PTC/3	630	500	-	500 (*)	630	630
HMM.4 series	PTC/5	500	500	-	500 (*)	500	500
HMM.10	PTC/11	1000	1000	-	800	1000	1000
HMM.16	PTC/16	1000	1000	-	800	1000	800
DBC.2	PTC/2	630	500	-	250 (**)	500	500
	PTC/2	630	500	-	630 (***)	500	500
HCD.1	PTC/2	320	320	-	320	320	320
HVPC.2/GR	PTC/3	500	500	-	500 (*)	500	500
CHP.2/GR - CHP.2D/GR	PTC/11	500 (630)	500	-	400 (*)	-	-
HPP.2/GR - HP.2/GR	PTC/3	400	400	-	800 (PT)	500	400
HPC.2/GR	PTC/3	400	400	-	800 (PT)	400	400
SFR.6	PTC/20	630	630	400	630	630	500
MPS.4-MPFA.4	PTC/4	400	400	-	400	-	-
DSS.4-DSFA.4	PTC/4	400	400	-	400	-	-
HMD.1	PTC/1	500	500	-	320	500	500
VPD.2	PTC/2	320	320	-	320	320	320
HSCB.4	PTC/5	500	500	-	500 (*)	500	500
HSCB.6	PTC/8	500	500	-	400	500	500

Notes: (*) with interposing end section
 (**) between lower adjoining jumpers (with partition)
 (***) between upper adjoining jumpers (with partition)

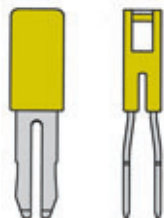


Cross connections

For HMD.2, HMF.4 ed FDP.2 terminal blocks



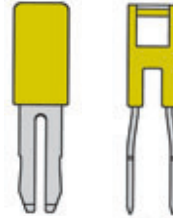
PH jumper



Terminal block	Jumper type	Cat. No.
HMD.2	PH/2,5-4	PH100
HMF.4	PH/2,5-4	PH100
FDP.2	PH/2,5-4	PH100

When there is the need to perform the cross connection between adjoining terminal blocks of different types (size and function), and an end section is interposed between them, a special PHM/2.5-4 increased pitch type jumper is available.

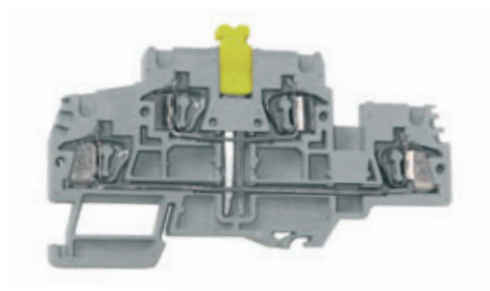
PHM jumper



Terminal block	Jumper type	Cat. No.
HMD.2	PHM/2,5/4	PHM01
HMF.4	PHM/2,5/4	PHM01
HMD.2	PHD/2	PHD02

NOTE:
To complete the insertion of the jumpers, the use of screwdriver is necessary.

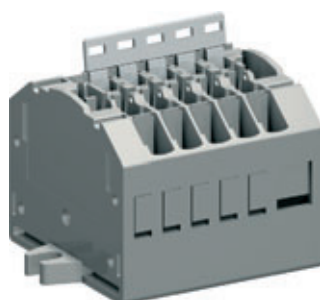
PHD/2 jumper



HMD.2/GR cat. no. HD100GR

For mini spring-clamp terminal blocks

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
HP.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205
HPC.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205
HPP.2/P	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205



POF permanent cross connections

Allowing the cross connection of two adjacent terminal blocks. Mounted in a suitable position in order to prevent injuries



Each **POF** jumper is composed by:

- 2 screws
- 2 sleeves
- 1 plate with 2 holes

All the components are in brass, with nickel plating.

NOTA:

For terminal blocks that normally require POF connections, where they are to be inserted in "increased safety" installations (Ex e), the use of **PFX** cross connections is required; they include an anti-loosening washer.

Terminal block	Jumper type	Cat. No.	Screw M x l (mm)	Sleeve Ø x l (mm)	Plate l x s (mm)
CBC.16	POF/53	POF53	M4 x 21	8 x 15	7 x 1,5
CBC.35	POF/06	POF06	M4 x 21	8 x 15	8 x 2
CBD.16	POF/44	POF44	M4 x 16	6 x 9,5	7 x 1,5
CBD.35	POF/06	POF06	M4 x 21	8 x 12	8 x 2
CBD.50	POF/07	POF07	M5 x 20	8 x 12	10 x 3
CBD.70	POF/08	POF08	M5 x 25	8 x 15	10 x 3
EDM.16	POF/05	POF05	M4 x 12	6 x 6,5	7 x 1,5
EDM.25	POF/06	POF06	M4 x 21	8 x 12	8 x 2
EDM.35	POF/07	POF07	M5 x 20	8 x 12	10 x 3
EDM.70	POF/08	POF08	M5 x 25	8 x 15	10 x 3
NCS	POF/99	POF99	M3 x 5	-	5,5 x 0,6
NCV	POF/99	POF99	M3 x 5	-	5,5 x 0,6
RFL.2	POF/17	POF17	M2,5 x 13,5	4 x 8	4 x 1
SCB.6	POF/57	POF57	M3,5 x 28	6 x 19	7 x 1
SCX.10	POF/56	POF56	M4,5 x 12	7 x 13,5	7 x 1,5
SFO.4	POF/20	POF20	M3 x 20	4 x 16	5,5 x 0,6
SV.2	POF/11	POF11	M2,5 x 13,5	4 x 10	5,5 x 0,6
SV.4	POF/12	POF12	M3 x 14	4 x 10	5,5 x 0,6
SV.6	POF/13	POF13	M3 x 20	5,5 x 13,5	7 x 1
SV.10	POF/14	POF14	M3,5 x 21	5,5 x 16	7 x 1,5
VL.16	POF/55	POF55	M4 x 12	6 x 6,5	8 x 2
VLM.10	POF/54	POF54	M4 x 12	5,5 x 7,5	7 x 1,5
GPM.95 (2 poles)	POF/95/2	P0952	M5 x 20	-	10 x 10
GPM.95 (3 poles)	POF/95/3	P0953	M5 x 20	-	10 x 10
GPM.150 (2 poles)	POF/150/2	P0152	M5 x 20	-	10 x 10
GPM.150 (3 poles)	POF/150/3	P0153	M5 x 20	-	10 x 10
GPM.240 (2 poles)	POF/240/2	P0242	M5 x 30	-	10 x 15
GPM.240 (3 poles)	POF/240/3	P0243	M5 x 30	-	10 x 15
GPA.70 - GPA.70/FIX	POF/70	POF70	M5 x 35	8 x 23,5	10 x 3

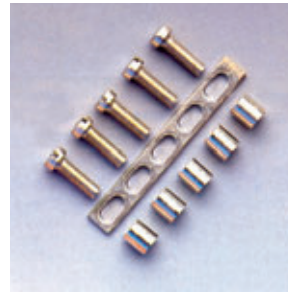
PMP commoning bars

CPM shunting screws and sleeves

The **PMP** commoning bar, suitable for the multiple cross connection of several terminal blocks, whether adjacent or not, is supplied in lengths of 250 mm, with holes adequately spaced according to the pitch of all terminal blocks.

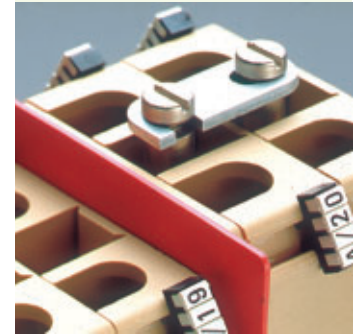
The bar is supported and held in place by a special **CPM** screw and sleeve at the correct level of each element.

In the case the terminal boards are to be installed in (Ex e) "at increased safety" circuits, CPM screws and sleeves are equipped with unloosening washers and their part number becomes **CPX**.



Terminal block	Commoning bar		l x s mm	No. of holes (x 250 mm)	Screw/sleeve		Screw/sleeve (Ex e)	
	Type	Cat. No.			Type	Cat. No.	Type	Cat. No.
CBC.16	PMP/05	PMP05	7 x 1,5	21	CPM/53	CPM53	-	-
CBC.35	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	-	-
CBD.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/21	CPM21	CPX/21	CPX21
CBD.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/12	CPM12	CPX/12	CPX12
CBD.6	PMP/13	PMP13	7 x 1	31	CPM/83	CPM83	CPX/83	CPX83
CBD.10	PMP/04	PMP04	7 x 1,5	25	CPM/03	CPM03	CPX/03	CPX03
CBD.16	PMP/05	PMP05	7 x 1,5	21	CPM/44	CPM44	CPX/44	CPX44
CBD.35	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	CPX/06	CPX06
CBD.50	PMP/07	PMP07	10 x 3	14	CPM/07	CPM07	CPX/05	CPX05
CBD.70	PMP/08	PMP08	10 x 3	12	CPM/08	CPM08	CPX/08	CPX08
CBR.2	PMP/25	PMP25	5,5 x 0,6	50	CPM/25	CPM25	-	-
CVF.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/12	CPM12	CPX/12	CPX12
DAS.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/01	CPM01	CPX/01	CPX01
EDM.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/21	CPM21	CPX/21	CPX21
EDM.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/12	CPM12	CPX/12	CPX12
EDM.6	PMP/13	PMP13	7 x 1	31	CPM/83	CPM83	CPX/83	CPX83
EDM.10	PMP/04	PMP04	7 x 1,5	25	CPM/03	CPM03	CPX/03	CPX03
EDM.16	PMP/05	PMP05	7 x 1,5	21	CPM/05	CPM05	CPX/05	CPX05
EDM.25	PMP/06	PMP06	8 x 2	16	CPM/06	CPM06	CPX/06	CPX06
EDM.35	PMP/07	PMP07	10 x 3	14	CPM/07	CPM07	CPX/07	CPX07
EDM.70	PMP/08	PMP08	10 x 3	12	CPM/08	CPM08	CPX/08	CPX08
FFS.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/01	CPM01	CPX/01	CPX01
FVS.4	PMP/42	PMP42	5,5 x 0,6	38	CPM/01	CPM01	CPX/01	CPX01
GPA.70 - GPA.70/FIX	PMP/08	PMP08	10 x 3	12	CPM/70	CPM70	-	-
MPS.2/SV-SW-SWP	PMP/01	PMP01	5,5 x 0,6	45	CPM/11	CPM11	CPX/11	CPX11
NCS	PMP/02	PMP02	5,5 x 0,6	40	CPM/99	CPM99	-	-
NCV	PMP/02	PMP02	5,5 x 0,6	40	CPM/99	CPM99	-	-
RFI.2	PMP/17	PMP17	4 x 1	42	CPM/17	CPM17	-	-
RN.1	PMP/16	PMP16	5,5 x 0,6	59	CPM/16	CPM16	-	-
RN.2	PMP/25	PMP25	5,5 x 0,6	50	CPM/16	CPM16	CPX/16	CPX16
RP.4	PMP/58	PMP58	5,5 x 0,6	42	CPM/01	CPM01	CPX/01	CPX01
SCB.4	PMP/02	PMP02	5,5 x 0,6	40	CPM/01	CPM01	CPX/01	CPX01
SCB.6	PMP/13	PMP13	7 x 1	31	CPM/57	CPM57	-	-
SCX.10	PMP/56	PMP56	7 x 1,5	24	CPM/56	CPM56	-	-
SFO.4	PMP/20	PMP20	5,5 x 0,6	31	CPM/20	CPM20	-	-
SV.2	PMP/01	PMP01	5,5 x 0,6	45	CPM/11	CPM11	CPX/11	CPX11
SV.4	PMP/12	PMP12	5,5 x 0,6	36	CPM/12	CPM12	CPX/12	CPX12
SV.6	PMP/13	PMP13	7 x 1,5	31	CPM/13	CPM13	CPX/13	CPX13
SV.10	PMP/14	PMP14	7 x 1,5	24	CPM/14	CPM14	CPX/14	CPX14
TDE.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLD.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLE.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
TLS.2	PMP/02	PMP02	5,5 x 0,6	40	CPM/21	CPM21	-	-
VL.16	PMP/55	PMP55	8 x 2	9	CPM/05	CPM05	CPX/05	CPX05
VLM.10	PMP/54	PMP54	7 x 1,5	38	CPM/03	CPM03	CPX/03	CPX03

POS switchable cross connections



If the linking of adjacent terminal blocks is occasional, a **POS** switchable cross connection may be used; it consists of:

- 2 screws
- 2 sleeves
- 1 linking plate with open slot, allowing easy opening and closing of the cross connection.

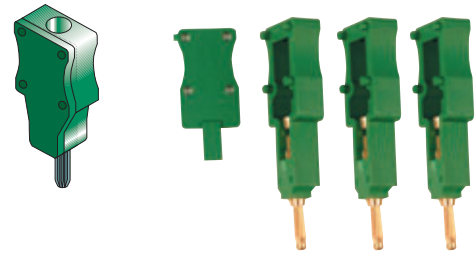
Terminal block	Cross connection		Screw M x l (mm)	Sleeve Ø x l (mm)
	Type	Cat. No.		
CBC.16	POS/53	POS53	4 x 35	5,1 x 30
CBD.2	POS/11	POS11	2,5 x 22	4 x 18
CBD.4	POS/42	POS42	3 x 28	4 x 23
CBD.6	POS/93	POS93	3,5 x 27	5,5 x 21,5
CBD.10	POS/44	POS44	4 x 25	5,5 x 21,5
CBD.16	POS/44	POS44	4 x 25	5,5 x 18,5
CBD.35	POS/66	POS66	4 x 30	8 x 22
CBD.50	POS/07	POS07	5 x 30	8 x 23,5
CBD.70	POS/08	POS08	5 x 40	8 x 30
DAS.4	POS/43	POS43	3 x 20	4 x 16
EDM.2	POS/11	POS11	2,5 x 22	4 x 18
EDM.4	POS/42	POS42	3 x 28	4 x 23
EDM.6	POS/93	POS93	3,5 x 27	5,5 x 21,5
EDM.10	POS/44	POS44	4 x 25	5,5 x 21,5
EDM.16	POS/44	POS44	4 x 25	5,5 x 21,5
EDM.25	POS/66	POS66	4 x 30	8 x 22
EDM.35	POS/07	POS07	5 x 30	8 x 22
EDM.70	POS/08	POS08	5 x 40	8 x 30
FFS.4	POS/72	POS72	3 x 20	4 x 14,5
FVS.4	POS/72	POS72	3 x 20	4 x 14,5
MPS.2/SV-SW-SWP	POS/91	POS91	2,5 x 25	4 x 20
SV.2	POS/11	POS11	2,5 x 22	4 x 18
SV.4	POS/12	POS12	3 x 22	4 x 18
SV.6	POS/13	POS13	3 x 30	5,5 x 25
SV.10	POS/14	POS14	3,5 x 30	5,5 x 25
TLD.2	POS/41	POS41	2,5 x 16	4 x 12,7
TLS.2	POS/41	POS41	2,5 x 16	4 x 12,7
RP.4	POS/43	POS43	3 x 20	4 x 16

Modular test plugs

Modular test plugs allow to perform final control or multiple shunting on rail assemblies.

The modular test plug can be placed directly in the housing provided in the terminal block.

The extreme ease of use, allow to assemble such test plugs in whatsoever number of poles, according to the needs.



Modular test plugs for screw clamp terminal blocks

- with solder lug

SDD/5 Cat. No. **DD005**

pitch 5.5 mm.
for terminal blocks type CBD.2

SDD/6 Cat. No. **DD006**

pitch 6.5 mm.
for terminal blocks type CBD.4

- con serraggio a vite

SDC/5 Cat. No. **DC005**

pitch 5 mm.
for terminal blocks type CBC.2

SDC/5P Cat. No. **DC05P**

version to be used with PTC jumper

SDC/5V Cat. No. **DC05V**

intermediate distancing element

SDC/POL Cat. No. **DCPOL**

polarising element

SD5/PT Cat. No. **DD501**

closing element for SDD/5

SD6/PT Cat. No. **DD601**

closing element for SDD/6

SDC/6 Cat. No. **DC006**

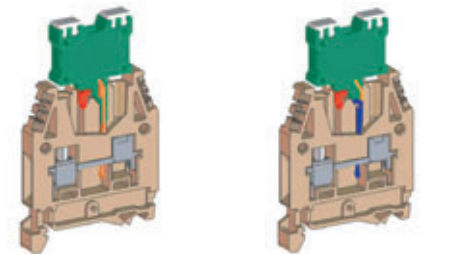
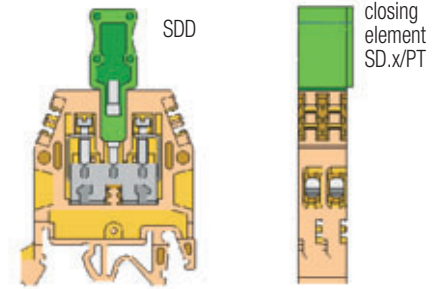
pitch 6 mm.
for terminal blocks type CBC.4

SDC/6P Cat. No. **DC06P**

version to be used with PTC jumper

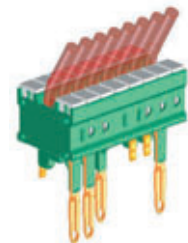
SDC/6V Cat. No. **DC06V**

intermediate distancing element



SDC/6 once mounted

SDC/6-P once mounted



SDC/6 with cable composition

Modular test plugs for spring clamp terminal blocks

- with solder lug

SDH/4 Cat. No. **DH004**

pitch 4.2 mm.
for terminal blocks type HMM.1, HMM.1/1+2,
HMM.1/2+2, HMD.1

SDH/5 Cat. No. **DH005**

pitch 5.2 mm.
for terminal blocks type HMM.2 - HMM.2/1+2 -
HMM.2/2+2 - HMD.2 - HMS.2 - Serie HP.2 - HP.2/P

SDH/6 Cat. No. **DH006**

pitch 6.2 mm
for terminal blocks type HMM.4

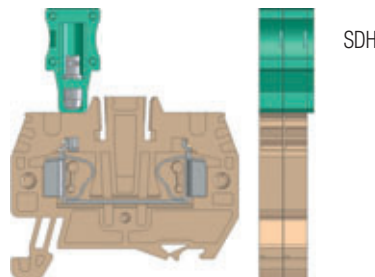
SDH/7 Cat. No. **DH007**

pitch 5.2 mm
for terminal blocks type HMD.2N/GR, HMD.2N/X/GR,
HMD.2N/X1/GR

SDH/5 and SDH/6 can be mutually combined.

SDH/4P Cat. No. **DH04P**

version to be used with PTC jumper



SDH

SDH/7P codice **DH07P**

version to be used with PTC jumper

SH4/PT Cat. No. **DH401**

closing element for SDH/4

SH5/PT Cat. No. **DH501**

closing element for SDH/5

SH6/PT Cat. No. **DH601**

closing element for SDH/6

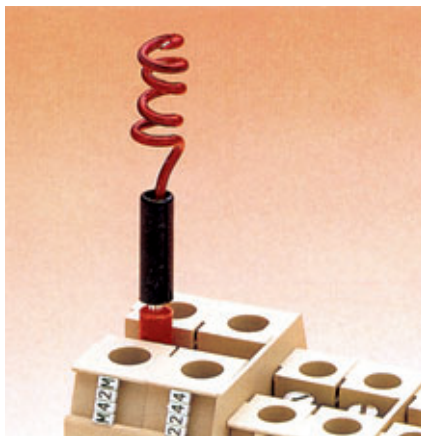
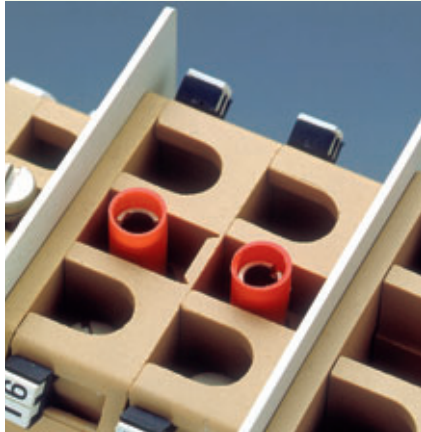
SH7/PT codice **DH701**

closing element for SDH/7

PSD sockets - SDD plugs

For measuring and testing circuits which are linked up to terminal boards, special accessories are provided; such as:

- **(PSD)** insulated sockets which can be screwed onto the conducting body of the terminal blocks
- **(SDD)** bundle-type plugs in silvered brass.



Terminal block	Socket		Internal socket Ø (mm)	Plug		Plug Ø (mm)
	Type	Cat. No.		Type	Cat. No.	
CBC.16	PSD/B	PD002	4,05	SDD/2	DD002	4
CBC.35	PSD/P	PD015	4,05	SDD/2	DD002	4
CBD.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
CBD.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
CBD.6	PSD/N	PD013	2,35	SDD/1	DD001	2,3
CBD.10	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.16	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.35	PSD/B	PD002	4,05	SDD/2	DD002	4
CBD.50	PSD/C	PD003	4,05	SDD/2	DD002	4
CBD.70	PSD/C	PD003	4,05	SDD/2	DD002	4
CBR.2	PSD/K	PD011	2,35	SDD/1	DD001	2,3
CVF.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
DAS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
EDM.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
EDM.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
EDM.6	PSD/N	PD013	2,35	SDD/1	DD001	2,3
EDM.10	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.16	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.25	PSD/B	PD002	4,05	SDD/2	DD002	4
EDM.35	PSD/C	PD003	4,05	SDD/2	DD002	4
EDM.70	PSD/C	PD003	4,05	SDD/2	DD002	4
FDP.2	-	-	-	SDD/1	DD001	2,3
FFS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
FPC.10	-	-	-	SDD/2	DD002	4
FVS.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
HMD.2	-	-	-	SDD/1	DD001	2,3
HMF.4	-	-	-	SDD/1	DD001	2,3
HMM.2	-	-	-	SDD/1	DD001	2,3
HMM.2/1+2	-	-	-	SDD/1	DD001	2,3
HMM.2/2+2	-	-	-	SDD/1	DD001	2,3
HMM.2/1+2/S	-	-	-	SDD/1	DD001	2,3
HMM.2/2+2/S	-	-	-	SDD/1	DD001	2,3
HMM.4	-	-	-	SDD/1	DD001	2,3
HMM.4/1+2	-	-	-	SDD/1	DD001	2,3
HMM.4/2+2	-	-	-	SDD/1	DD001	2,3
HMM.6	-	-	-	SDD/1	DD001	2,3
HMM.10	-	-	-	SDD/1	DD001	2,3
HMM.16	-	-	-	SDD/1	DD001	2,3
HMS.2	-	-	-	SDD/1	DD001	2,3
HTE.2	-	-	-	SDD/1	DD001	2,3
HSCB.6	PSD/O	PD017	2,35	SDD/1	DD001	2,3
HTE.2/1+2	-	-	-	SDD/1	DD001	2,3
HTE.2/2+2	-	-	-	SDD/1	DD001	2,3
HTE.4	-	-	-	SDD/1	DD001	2,3
HTE.6	-	-	-	SDD/1	DD001	2,3
HVPC.2	-	-	-	SDD/1	DD001	2,3
MAC.6	-	-	-	SDD/1	DD001	2,3
MPS.2	PSD/E	PD005	2,35	SDD/1	DD001	2,3
NCS	PSD/K	PD011	2,35	SDD/1	DD001	2,3
NCV	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RN.1	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RFL.2	PSD/K	PD011	2,35	SDD/1	DD001	2,3
RN.2	PSD/A	PD001	2,35	SDD/1	DD001	2,3
RP.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SCB.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SCB.6	PSD/P	PD015	4,05	SDD/2	DD002	4
SCX.10	PSD/L	PD009	4,05	SDD/2	DD002	4
SFC.10	-	-	-	SDD/2	DD002	4
SFO.4	PSD/J	PD014	2,35	SDD/1	DD001	2,3
SFR.4	PSD/J	PD014	2,35	SDD/1	DD001	2,3
SV.10	PSD/A	PD001	4,05	SDD/2	DD002	4
SV.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
SV.4	PSD/A	PD001	2,35	SDD/1	DD001	2,3
SV.6	PSD/E	PD005	2,35	SDD/1	DD001	2,3
TDE.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLD.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLE.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3
TLS.2	PSD/D	PD004	2,35	SDD/1	DD001	2,3

F5 fuses



In compliance with IEC 60127-2-1 – rapid fusion – 250 V in steatite tube filled with arc-quenching powder (breaking capacity 1500 A).

F5 fuses characteristics according to DIN 41571

Rated current I_n	Test current			
	1,5 x I_n	2,1 x I_n	4 x I_n	10 x I_n
100 mA ÷ 6.3 A	> 1 h	< 30 min	< 300 ms	< 20 ms

F5 fuses characteristics according to IEC 127/I and II

Rated current I_n	Test current				
	1,5 x I_n	2,1 x I_n	4 x I_n	10 x I_n	10 x I_n
100 mA ÷ 6.3 A	> 1 h	< 30 min	100 ms ÷ 2 s	3 ms ÷ 300 ms	< 20 ms
4 A ÷ 6.3 A	> 1 h	< 30 min	19 ms ÷ 3 s	3 ms ÷ 300 ms	< 20 ms

Rated current	Ø 5 x 20 mm fuse without marking		
	Type	Cat. No.	
100 mA	F5/100 mA	FN001ST	
200 mA	F5/200 mA	FN002ST	
315 mA	F5/315 mA	FN003ST	
500 mA	F5/500 mA	FN004ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
630 mA	F5/630 mA	FN005ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1 A	F5/1 A	FN006ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1,6 A	F5/1,6 A	FN007ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2 A	F5/2 A	FN008ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2,5 A	F5/2,5 A	FN009ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
3,15 A	F5/3,15 A	FN010ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
4 A	F5/4 A	FN011ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
5 A	F5/5 A	FN012ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
6,3 A	F5/6,3 A	FN013ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
8 A	F5/8 A	FN014ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
10 A	F5/10 A	FN015ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
12 A	F5/12 A	FN016ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A

LSN torpedo pilot bulbs



Cat. No.	Characteristics
FL201	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 12 to 48 Vac, to be used on terminal blocks type FLD.10/ F5L, FLD.10/F6, FPL.10.
FL202	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 70 to 380 Vac, to be used on terminal blocks type FLD.10/ F5L, FLD.10/F6, FPL.10.
KITLSN/12-24	For terminal blocks type SFR.6 and SFR.6/M.
KITLSN/70-380	For terminal blocks type SFR.6 and SFR.6/M.

LSH signal elements

For the blow-out status signal on fuse-holder terminal block type HMF4. Suited to be used in both d.c. and a.c. circuits.

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
LSH/12	LS001	12	2,1 mA
LSH/24	LS002	24	2,0 mA
LSH/48	LS003	48	2,2 mA
LSH/115	LS004	115	2,1 mA
LSH/230	LS005	230	2,0 mA

CIL signal circuit



For the blow-out status signal of fuse-holder terminal blocks type SFR.4 - SFO.4 - MAC.6 - SFL.10 and FPL.10.

Suited to be used in both d.c. and a.c. circuits.

Each package is supplied with:

- two contact blades
- a non polarised LED microcircuit
- a transparent protection

Components must be mounted in such a sequence.

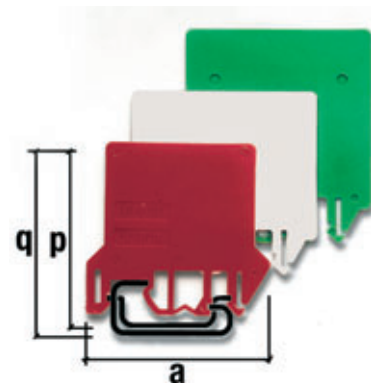
(*) values are to be considered with a tolerance $\pm 10\%$

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
CIL/12	SF512	12	3,0 mA
CIL/24	SF524	24	3,2 mA
CIL/48	SF548	48	2,9 mA
CIL/115	SF515	115	2,3 mA
CIL/230	SF523	230	2,3 mA

DFU-DFH-DFP partitions

In polyamide available in **green**, **red** and **white**, colour, 1.5 mm thick, for the separation of elements on the terminal board, in order to make certain circuits easy to locate or to increase the insulation distances between terminal blocks.

The partitions can also be used to increase the insulation distances between adjacent parallel multiple commoning bars.



NOTE:

q dimension can be obtained by adding 4 mm to dimension p

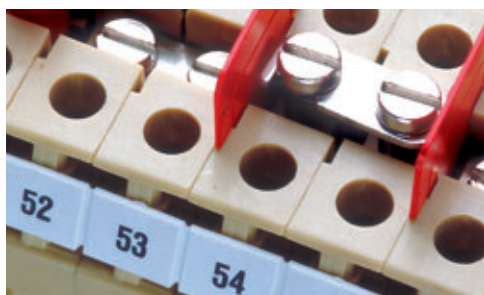
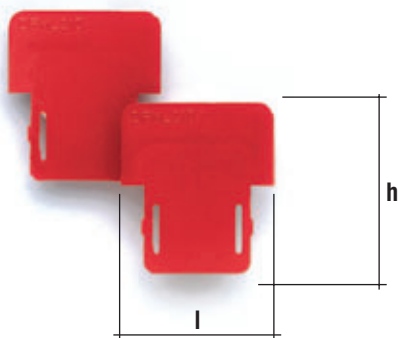
Terminal block	Partition				Dimensions a x p
	Type	White Cat. No.	Red Cat. No.	Green Cat. No.	
Screw-clamp terminal blocks					
AFO.2/1+1	DFU/1	DU01B	DU01R	DU01V	52 x 51
AFO.2/2+2	DFU/1	DU01B	DU01R	DU01V	52 x 51
CBC.2	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBC.4	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBC.6	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBC.10	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBC.16	DFU/5	DU05B	DU05R	DU05V	62 x 68
CBC.35	DFU/5	DU05B	DU05R	DU05V	62 x 68
CBD.2	DFU/1	DU01B	DU01R	DU01V	52 x 51
CBD.4	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.6	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.10	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.16	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBD.35	DFU/5	DU05B	DU05R	DU05V	62 x 68
CBD.50	DFU/5	DU05B	DU05R	DU05V	62 x 68
CBD.70	DFU/6	DU06B	DU06R	DU06V	72 x 74
CBE.2	DFU/4	DU04B	DU04R	DU04V	52 x 62
CBR.2	DFU/4	DU04B	DU04R	DU04V	52 x 62
CVF.4	DFU/3	DU03B	DU03R	DU03V	68 x 57
DAS.4	DFU/7	DU07B	DU07R	DU07V	80 x 64
DBC.2	DFU/7	DU07B	DU07R	DU07V	80 x 64
DSS.4	DFU/7	DU07B	DU07R	DU07V	80 x 64
DSFA.4	DFU/7	DU07B	DU07R	DU07V	80 x 64
EDM.2	DFU/1	DU01B	DU01R	DU01V	52 x 51
EDM.4	DFU/4	DU04B	DU04R	DU04V	52 x 62
EDM.6	DFU/4	DU04B	DU04R	DU04V	52 x 62
EDM.10	DFU/4	DU04B	DU04R	DU04V	52 x 62
EDM.16	DFU/4	DU04B	DU04R	DU04V	52 x 62
EDM.25	DFU/5	DU05B	DU05R	DU05V	62 x 68
EDM.35	DFU/5	DU05B	DU05R	DU05V	62 x 68
EDM.70	DFU/6	DU06B	DU06R	DU06V	72 x 74
FDP.2	DFU/5	DU05B	DU05R	DU05V	62 x 68
FLD.10/...	DFU/6	DU06B	DU06R	DU06V	72 x 74
FPC.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
FPL.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
FVS.4	DFU/6	DU06B	DU06R	DU06V	72 x 74
MPFA.4	DFU/3	DU03B	DU03R	DU03V	68 x 57
MPS.2/SV	DFU/2	DU02B	DU02R	DU02V	52 x 54
MPS.2/SW	DFU/2	DU02B	DU02R	DU02V	52 x 54
MPS.2/SWP	DFU/2	DU02B	DU02R	DU02V	52 x 54
MPS.4	DFU/3	DU03B	DU03R	DU03V	80 x 64
MPS.4/SV	DFU/3	DU03B	DU03R	DU03V	80 x 64
NCS	DFU/2	DU02B	DU02R	DU02V	52 x 54
NCV	DFU/2	DU02B	DU02R	DU02V	52 x 54
PDF.2	DFU/5	DU05B	DU05R	DU05V	62 x 68
RFL.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
RN.1	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
RN.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
RP.4	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
SCB.4	DFU/3	DU03B	DU03R	DU03V	68 x 57
SCB.6	DFU/6	DU06B	DU06R	DU06V	72 x 74
SCB.6/DD	DFU/6	DU06B	DU06R	DU06V	72 x 74
SCB.6/CD	DFU/6	DU06B	DU06R	DU06V	72 x 74
SCX.10	DFU/7	DU07B	DU07R	DU07V	80 x 64

Terminal block	Partition				Dimensions a x p
	Type	White Cat. No.	Red Cat. No.	Green Cat. No.	
SFC.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
SFL.10	DFU/6	DU06B	DU06R	DU06V	72 x 74
SFO.4	DFU/7	DU07B	DU07R	DU07V	80 x 64
SFR.4	DFU/3	DU03B	DU03R	DU03V	68 x 57
SFR.6	DFU/7	DU07B	DU07R	DU07V	80 x 64
SV.2	DFU/4	DU04B	DU04R	DU04V	52 x 62
SV.4	DFU/4	DU04B	DU04R	DU04V	52 x 62
SV.6	DFU/4	DU04B	DU04R	DU04V	52 x 62
SV.10	DFU/5	DU05B	DU05R	DU05V	62 x 68
TC/DIN	DFU/1	DU01B	DU01R	DU01V	52 x 51
TC/PO	DFU/1	DU01B	DU01R	DU01V	52 x 51
TDE.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
TLD.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
TLE.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
TLS.2	DFU/3	DU03B	DU03R	DU03V	68 x 57
VLM.10	DFU/3	DU03B	DU03R	DU03V	68 x 57
VLM.10/O	DFU/3	DU03B	DU03R	DU03V	68 x 57
VPC.2	DFU/5	DU05B	DU05R	DU05V	62 x 68
VPD.2	DFU/7	DU07B	DU07R	DU07V	80 x 64
Spring-clamp terminal blocks					
HCD.1	DFU/7	DU07B	DU07R	DU07V	80 x 64
HMD.2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HMF.4	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HMFA.2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HMM.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMM.2/1+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HMM.2/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
HMM.2/2+2/S	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
HMM.4	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMM.4/1+2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HMM.4/2+2	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HMM.6	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMM.10	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HMM.16	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HVPC.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMS.2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HPP.2	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
HPP.2/P	DFP/2	DFP2B	DFP2R	DFP2V	37 x 38
HTE.2	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HTE.2/1+1	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HTE.2/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
HTE.4	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HTE.6	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMM.1	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HMM.1/1+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5
HMM.1/2+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HMD.1	DFU/7	DU07B	DU07R	DU07V	80 x 64
HMD.2N	DFU/7	DU07B	DU07R	DU07V	80 x 64
HMM.2/1+2/S	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HSCB.4	DFH/4	DH04B	DH04R	DH04V	97 x 51,5
HTE.1	DFH/1	DH01B	DH01R	DH01V	64 x 42,5
HTE.1/1+2	DFH/2	DH02B	DH02R	DH02V	76 x 42,5
HTE.1/2+2	DFH/3	DH03B	DH03R	DH03V	88 x 42,5

Partitions

DFM

Red coloured in polyamide when it is necessary to **guarantee the insulation distance between permanent or switchable cross connections**, inserted between adjacent pairs of terminal blocks and, similarly, between **multiple commoning bars**, inserted between adjacent groups of terminal blocks.



Terminal block	Partition		Dimensions l x h	Thickness mm
	Type	Cat. No.		
CBC.2	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.4	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.6	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.10	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.16	DFM/700	DF700	28 x 32	0,5
CBC.35	DFM/700	DF700	28 x 32	0,5
CBD.2	DFM/600	DF600	24 x 31	0,5
	DFM/600	DF600	24 x 31	0,5
CBD.4	DFM/600	DF600	24 x 31	0,5
	DFM/600	DF600	24 x 31	0,5
CBD.6	DFM/600	DF600	24 x 31	0,5
	DFM/600	DF600	24 x 31	0,5
CBD.10	DFM/700	DF700	28 x 32	0,5
	DFM/700	DF700	28 x 32	0,5
CBD.16	DFM/700	DF700	28 x 32	0,5
	DFM/700	DF700	28 x 32	0,5
CBD.35	DFM/700	DF700	28 x 32	0,5
	DFM/700	DF700	28 x 32	0,5
CBD.50	DFM/700	DF700	28 x 32	0,5
	DFM/700	DF700	28 x 32	0,5
CBD.70	DFM/700	DF700	28 x 32	0,5
	DFM/700	DF700	28 x 32	0,5
DBC.2	DFM/900	DF900	17 x 18	0,5
	DFM/800	DF800	17 x 18	0,5
	DFM/500	DF500	4,6 x 13,5	0,5
DSS.4	DFM/500	DF500	4,6 x 13,5	0,5
DSFA.4	DFM/500	DF500	4,6 x 13,5	0,5
HMM.1	DFM/500	DF500	4,6 x 13,5	0,5
HMM.1/1+2	DFM/500	DF500	4,6 x 13,5	0,5
HMM.1/2+2	DFM/500	DF500	4,6 x 13,5	0,5
HMD.1	DFM/500	DF500	4,6 x 13,5	0,5
HMD.2/N	DFM/500	DF500	4,6 x 13,5	0,5
MPS.4	DFM/500	DF500	4,6 x 13,5	0,5
MPFA.4	DFM/500	DF500	4,6 x 13,5	0,5
TLD.2	DFM/400	DF400	10 x 18	0,5
TLS.2	DFM/400	DF400	10 x 18	0,5
VPC.2	DFM/300	DF300	9,4 x 12,9	0,4
VPD.2	DFM/300	DF300	9,4 x 12,9	0,4

Protection covers

PRT covers / SPS supports



(*) vertical dimensions including rail

For protection against accidental contacts or tampering of CDA, ACB series terminal blocks. Of self-extinguishing and transparent material, 2,3 mm pitch and 200 mm standard length (corresponding to a total width of four adjacent terminal blocks). Covers are available in three sizes:

PRT/P 22 x 125 mm (Cat.No. PRT01)
- for the protection of ACB/BB terminal blocks

PRT/M 50 x 125 mm (Cat.No. PRT02)
- for the protection of ACB/CC terminal blocks
- for the protection of CDA terminal blocks.

PRT/G 85 x 125 mm (Cat.No. PRT03)
- to be used when conductors are arriving from the rear of the panel or when not connected clamping units must be protected.

PRT covers should be inserted on **SPS** supports, manufactured of self-extinguishing UL94V-0 classed ABS, 5 mm pitch, interposed between adjacent terminal blocks. Protection of the four adjacent terminal blocks is performed by means of **two** overlapped PRT covers.

Note: The ID Cat. No. (i.e. PRT01) is **referred** to a single item.

PZM protection covers and PZD supports

Terminal blocks having a cross-section up to 70 mm² can be protected against accidental contacts or tampering, by means of a **PVC** transparent cover, **supplied in a standard lenght of 2 m**, to be mounted on appropriate polyamide supports and to be inserted on PR/DIN, PR/3, "G32" type and TH/35 mounting rails.

They can be fixed by sealing the support ends.

PZM.4 cover (a = 64+2 mm / b = 32 mm)

Cat. No. **PZ330**

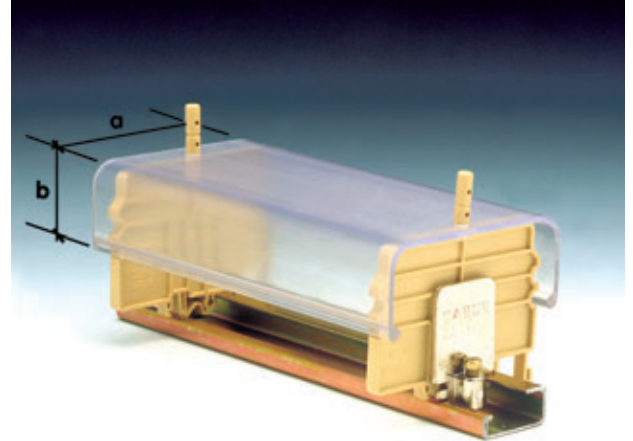
Suitable for terminal blocks with **overall dimension up to approximately 58 mm** (mounting rail included).

To be mounted with **PZD.4/SO** supports (Cat. No. PZ331)

Maximum dimension PZM.4 + PZD.4/SO

- on IEC 60715/G32 mounting rail = 70 or 82 mm (*)
- on IEC 60715/TH35 mounting rail = 65 or 77 mm (*)

(*) depending on the notches used, upper or lower.



PZM.4 - PZM.6 covers

PZM.6 cover (a = 85+2 mm / b = 36 mm)

Cat. No. **PZ110**

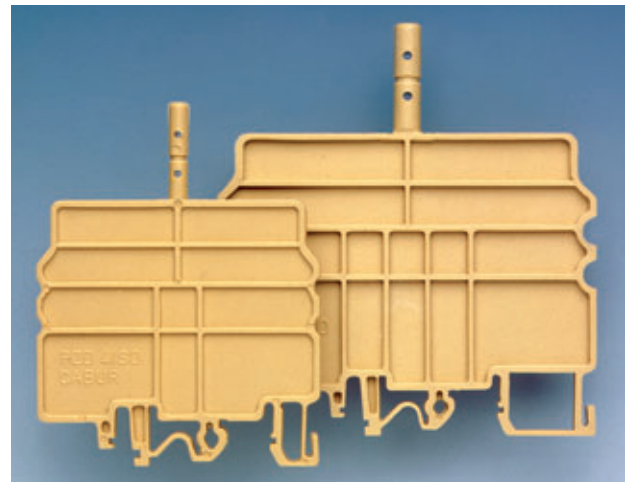
Suitable for terminal blocks with **overall dimension over 58 mm**, (mounting rail included).

To be mounted with **PZD.6/SO** supports (Cat. No. PZ112)

Maximum dimension PZM.6 + PZD.6/SO

- on IEC 60715/G32 mounting rail = 82 o 94 mm (*)
- on IEC 60715/TH35 mounting rail = 78 o 90 mm (*)

(*) depending on the notches used, upper or lower.



PZD.4/SO - PZD.6/SO supports

PRP protections

The cross connection, consisting of a PMP multiple commoning bar and CPM screws and sleeves, already placed in a recessed position with respect to the terminal board, can be further protected from accidental contact using a nylon U-shaped cover having a standard length of 10 cm. This white-coloured cover, can also be written upon, to serve as a label or reference point on the terminal board.

On the cover suitable slits are arranged to facilitate its removal by using a screwdriver.

for terminal blocks with a cross section of 2,5-4 mm²

PRP/6

Cat. No. **PRP06**

for terminal blocks with a cross section of 4-16 mm²

PRP/7

Cat. No. **PRP07**

for terminal blocks with a cross section of 25-70 mm²

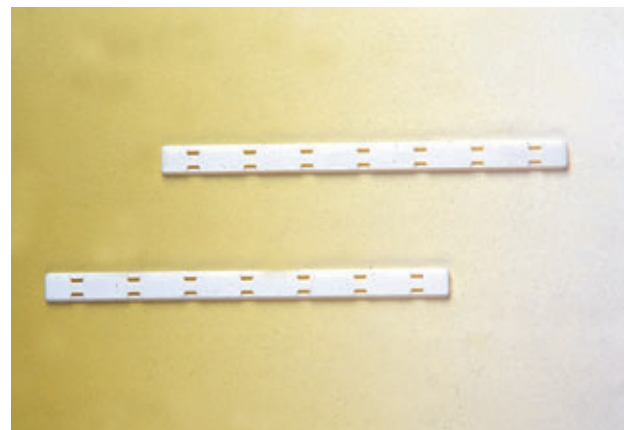
PRP/8

Cat. No. **PRP08**

for terminal blocks type TLD.2-TLS.2-CBR.2-DAS.4-TLE.2-TDE.2

PRP/5
(red, blue, white)

Cat. No. **PRP05**



PRP protections

Warning plates

TQM-TTM-TUM-PRP/7/G

Made of self-extinguishing material, they are suitable to ensure operating safety on terminal blocks connected to live circuits.

Cabur warning plates bear signals and warning writings that can be fitted on top of the blocks by means of nylon screws. They are available in several models with various sizes depending on the types of terminal blocks.

Warning plates can cover three or four poles; in some cases the three pole plate is obtained from the four pole version by removing a pre-cut part.

For CBC. 2-4-6-10 terminal blocks screwless PRP/7/G is supplied, to be inserted in the cross connection groove.



Terminal block	Warning plate for 3 terminal blocks		l x h mm	Warning plate for 4 terminal blocks		l x h mm	Screw M x l (mm)
	Type	Cat. No.		Type	Cat. No.		
CBC.2	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.4	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.6	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.10	PRP/7/G (*)	PRP070G	l = 100	PRP/7/G (*)	PRP070G	100	-
CBC.16	TUM/16	TUM16	48 x 34	TUM/16	TUM16	48 x 34	4 x 30
CBC.35	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
CBD.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
CBD.4	TTM/12	TTM12	25 x 26	TTM/12	TTM12	25 x 26	3 x 25
CBD.6	TTM/15	TTM15	25 x 26	TQM/15	TQM15	32 x 26	3,5 x 25
CBD.10	TTM/04	TTM04	32 x 26	TQM/04	TQM04	40 x 26	4 x 25
CBD.16	TUM/05	TUM05	48 x 34	TUM/05	TUM05	48 x 34	4 x 25
CBD.35	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
CBD.50	TUM/07	TUM07	72 x 42	TUM/07	TUM07	72 x 42	5 x 30
CBD.70	TUM/08	TUM08	82 x 42	TUM/08	TUM08	82 x 42	5 x 40
EDM.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
EDM.4	TTM/12	TTM12	25 x 26	TTM/12	TTM12	25 x 26	3 x 25
EDM.6	TTM/15	TTM15	25 x 26	TQM/15	TQM15	32 x 26	3,5 x 25
EDM.10	-	-	-	TQM/04	TQM04	40 x 26	4 x 25
EDM.16	TUM/05	TUM05	48 x 34	TUM/05	TUM05	48 x 34	4 x 25
EDM.25	TUM/06	TUM06	63 x 34	TUM/06	TUM06	63 x 34	4 x 30
EDM.35	TUM/07	TUM07	72 x 42	TUM/07	TUM07	72 x 42	5 x 30
EDM.70	TUM/08	TUM08	82 x 42	TUM/08	TUM08	82 x 42	5 x 40
SV.2	-	-	-	TQM/02	TQM02	25 x 26	2,5 x 20
SV.4	TTM/12	TTM12	25 x 26	TQM/12	TQM12	40 x 26	3,5 x 30
SV.6	TTM/13	TTM13	25 x 26	TQM/13	TQM13	25 x 26	2,5 x 20
SV.10	TTM/14	TTM14	32 x 26	TQM/14	TQM14	25 x 26	3 x 15

(*) to be cut to length



TAI

Possible danger status may be marked using **special triangular self-adhesive labels**

TAI/6 (Cat. No. TA001)

TAI/12 (Cat. No. TA002)

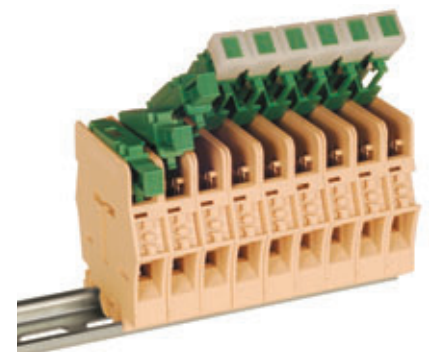
to be applied on safety and protection covers.

MSM handle

For the simultaneous disconnection of adjoining FPL.10 and SFL.10 terminal blocks.

Supplied in strips of 6 elements.

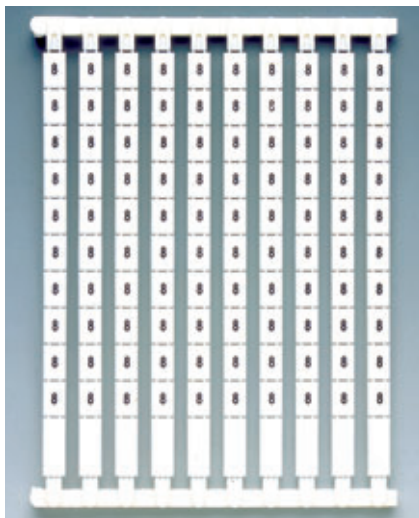
MSM (Cat. No. FC103)



Marking systems

CNU/8

Marking tags suited for **marking all types of terminal blocks (screw-clamp terminal blocks and spring-clamp terminal blocks)** in tables of 100 elements. In white polyamide with black printing, to be applied directly into position either before or after composition of the terminal board. **5 mm standardised pitch and 8 mm high.**



CNU/8/888 table Cat. No. N8888



Note: those shown in the tables are the standard types of markers, normally available; on request, it is possible to supply tags of each type (with the exception of CSC), with: numbers, letters, symbols and customised logos.

Marking	Type (100 elements)	Cat. No.
blank	CNU/8/030	NU008
0	CNU/8/000	N8000
1	CNU/8/111	N8111
2	CNU/8/222	N8222
3	CNU/8/333	N8333
4	CNU/8/444	N8444
5	CNU/8/555	N8555
6	CNU/8/666	N8666
7	CNU/8/777	N8777
8	CNU/8/888	N8888
9	CNU/8/999	N8999
10	CNU/8/010	N8010
11	CNU/8/11	N8Y11
12	CNU/8/12	N8Y12
13	CNU/8/13	N8Y13
14	CNU/8/14	N8Y14
15	CNU/8/15	N8Y15
16	CNU/8/16	N8Y16
17	CNU/8/17	N8Y17
18	CNU/8/18	N8Y18
19	CNU/8/19	N8Y19
20	CNU/8/20	N8Y20
21	CNU/8/21	N8Y21
22	CNU/8/22	N8Y22
23	CNU/8/23	N8Y23
24	CNU/8/24	N8Y24
25	CNU/8/25	N8Y25
26	CNU/8/26	N8Y26
27	CNU/8/27	N8Y27
28	CNU/8/28	N8Y28
29	CNU/8/29	N8Y29
30	CNU/8/30	N8Y30
31	CNU/8/31	N8Y31
32	CNU/8/32	N8Y32
33	CNU/8/33	N8Y33
34	CNU/8/34	N8Y34
35	CNU/8/35	N8Y35
36	CNU/8/36	N8Y36
37	CNU/8/37	N8Y37
38	CNU/8/38	N8Y38
39	CNU/8/39	N8Y39
40	CNU/8/40	N8Y40
41	CNU/8/41	N8Y41
42	CNU/8/42	N8Y42
43	CNU/8/43	N8Y43
44	CNU/8/44	N8Y44
45	CNU/8/45	N8Y45
46	CNU/8/46	N8Y46
47	CNU/8/47	N8Y47
48	CNU/8/48	N8Y48
49	CNU/8/49	N8Y49
50	CNU/8/50	N8Y50
51	CNU/8/51	N8Y51
52	CNU/8/52	N8Y52

Marking	Type (100 elements)	Cat. No.
53	CNU/8/53	N8Y53
54	CNU/8/54	N8Y54
55	CNU/8/55	N8Y55
56	CNU/8/56	N8Y56
57	CNU/8/57	N8Y57
58	CNU/8/58	N8Y58
59	CNU/8/59	N8Y59
60	CNU/8/60	N8Y60
61	CNU/8/61	N8Y61
62	CNU/8/62	N8Y62
63	CNU/8/63	N8Y63
64	CNU/8/64	N8Y64
65	CNU/8/65	N8Y65
66	CNU/8/66	N8Y66
67	CNU/8/67	N8Y67
68	CNU/8/68	N8Y68
69	CNU/8/69	N8Y69
70	CNU/8/70	N8Y70
71	CNU/8/71	N8Y71
72	CNU/8/72	N8Y72
73	CNU/8/73	N8Y73
74	CNU/8/74	N8Y74
75	CNU/8/75	N8Y75
76	CNU/8/76	N8Y76
77	CNU/8/77	N8Y77
78	CNU/8/78	N8Y78
79	CNU/8/79	N8Y79
80	CNU/8/80	N8Y80
81	CNU/8/81	N8Y81
82	CNU/8/82	N8Y82
83	CNU/8/83	N8Y83
84	CNU/8/84	N8Y84
85	CNU/8/85	N8Y85
86	CNU/8/86	N8Y86
87	CNU/8/87	N8Y87
88	CNU/8/88	N8Y88
89	CNU/8/89	N8Y89
90	CNU/8/90	N8Y90
91	CNU/8/91	N8Y91
92	CNU/8/92	N8Y92
93	CNU/8/93	N8Y93
94	CNU/8/94	N8Y94
95	CNU/8/95	N8Y95
96	CNU/8/96	N8Y96
97	CNU/8/97	N8Y97
98	CNU/8/98	N8Y98
99	CNU/8/99	N8Y99
100	CNU/8/100	N8Y10
110	CNU/8/910	N8910
230	CNU/8/230	N8230
380	CNU/8/980	N8980

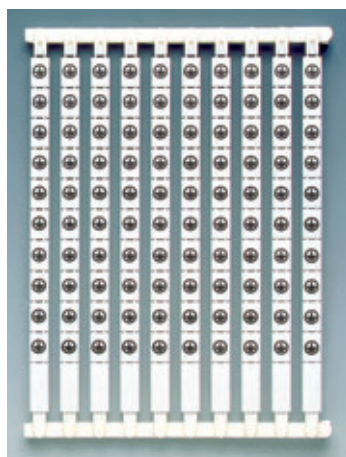
TABLES WITH SERIES OF NUMBERS

Marking	Table type (100 elements)	Cat. No.
1-10 (10 Series)	CNU/8/510	N8510
11-20 (10 Series)	CNU/8/520	N8520
21-30 (10 Series)	CNU/8/530	N8530
31-40 (10 Series)	CNU/8/540	N8540
41-50 (10 Series)	CNU/8/550	N8550
51-60 (10 Series)	CNU/8/560	N8560
61-70 (10 Series)	CNU/8/570	N8570
71-80 (10 Series)	CNU/8/580	N8580
81-90 (10 Series)	CNU/8/590	N8590
91-100 (10 Series)	CNU/8/600	N8600
1-50 (2 Series)	CNU/8/001	N8001
51-100 (2 Series)	CNU/8/051	N8051
101-150 (2 Series)	CNU/8/101	N8101
151-200 (2 Series)	CNU/8/151	N8151
201-250 (2 Series)	CNU/8/201	N8201
251-300 (2 Series)	CNU/8/251	N8251
301-350 (2 Series)	CNU/8/301	N8301
351-400 (2 Series)	CNU/8/351	N8351
401-450 (2 Series)	CNU/8/401	N8401
451-500 (2 Series)	CNU/8/451	N8451
501-550 (2 Series)	CNU/8/501	N8501
551-600 (2 Series)	CNU/8/551	N8551
601-650 (2 Series)	CNU/8/601	N8601
651-700 (2 Series)	CNU/8/651	N8651
701-750 (2 Series)	CNU/8/701	N8701
751-800 (2 Series)	CNU/8/751	N8751
801-850 (2 Series)	CNU/8/801	N8801
851-900 (2 Series)	CNU/8/851	N8851
901-950 (2 Series)	CNU/8/901	N8901
951-999 (2 Series)	CNU/8/951	N8951



CNU/8/510 table

Cat. No. N8510



CNU/8/028 table

Cat. No. N8028

TABLES WITH SERIES OF LETTERS AND SYMBOLS

Marking	Table type (100 elements)	Cat. No.
A	CNU/8/031	N8031
B	CNU/8/032	N8032
C	CNU/8/033	N8033
D	CNU/8/034	N8034
E	CNU/8/035	N8035
F	CNU/8/036	N8036
G	CNU/8/037	N8037
H	CNU/8/038	N8038
I	CNU/8/043	N8043
L	CNU/8/044	N8044
M	CNU/8/045	N8045
N	CNU/8/016	N8016
O	CNU/8/046	N8046
P	CNU/8/047	N8047
Q	CNU/8/048	N8048
R	CNU/8/013	N8013
S	CNU/8/014	N8014
T	CNU/8/015	N8015
U	CNU/8/017	N8017
V	CNU/8/018	N8018
Z	CNU/8/022	N8022
J	CNU/8/049	N8049
K	CNU/8/050	N8050
X	CNU/8/020	N8020
Y	CNU/8/021	N8021
W	CNU/8/019	N8019
L1	CNU/8/0L1	N80L1
L2	CNU/8/0L2	N80L2
L3	CNU/8/0L3	N80L3
U1	CNU/8/0U1	N80U1
U2	CNU/8/0U2	N80U2
V1	CNU/8/0V1	N80V1
V2	CNU/8/0V2	N80V2
W1	CNU/8/0W1	N80W1
W2	CNU/8/0W2	N80W2
PE	CNU/8/0PE	N80PE
PEN	CNU/8/0PN	N80PN
4 upper case alphabets (*)	CNU/8/011	N8011
4 lower case alphabets (*)	CNU/8/012	N8012
+	CNU/8/023	N8023
-	CNU/8/024	N8024
=	CNU/8/025	N8025
~	CNU/8/026	N8026
⊕	CNU/8/027	N8027
⊖	CNU/8/028	N8028

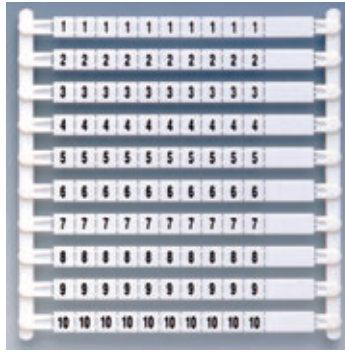
(*) excluding letter j

CNU/5

Marking tags suited for **marking BPL.4 and TPL.4 modular terminal blocks. Tables of 100 elements.**

In white polyamide with black printing, to be applied directly into position either before or after the composition of the terminal assembly.

5 mm standardised pitch and 5 mm high.



CNU/5/123 table

Cat. No. N5123

Marking	Table type (100 elements)	Cat. No.
blank	CNU/5/030	NU005
1-10 (10 Series)	CNU/5/110	N5110
1-50 (2 Series)	CNU/5/250	N5250
51-100 (2 Series)	CNU/5/350	N5350
N	CNU/5/016	N5016
R	CNU/5/017	N5017
S	CNU/5/018	N5018
T	CNU/5/015	N5015
+	CNU/5/023	N5023
-	CNU/5/024	N5024
~	CNU/5/025	N5025
⊕	CNU/5/026	N5026
⊖	CNU/5/027	N5027
=	CNU/5/029	N5029
1-2-3-4-5-6-7-8-9-10	CNU/5/123	N5123

CSC

Quick-attaching clip-on marking tags, allowing the composition of identification markings, also alphanumeric, for circuits.

The tags can be attached directly onto polyamide terminal blocks, or using special adapters for melamine terminal blocks.

ADR/2 2-position adapter Cat. No. ADR02
ADR/4 4-position adapter Cat. No. ADR04
ADR/6 6-position adapter Cat. No. ADR06



Marking	Table type (100 elements)	Cat. No.
blank	CSC	CSC00
0	CSC/00	CS000
1	CSC/11	CS111
2	CSC/22	CS222
3	CSC/33	CS333
4	CSC/44	CS444
5	CSC/55	CS555
6	CSC/66	CS666
7	CSC/77	CS777
8	CSC/88	CS888
9	CSC/99	CS999
0-1-2-3-4-5-6-7-8-9	CSC/09	CSC09
A	CSC/AA	CSAAA
B	CSC/BB	CSBBB
C	CSC/CC	CSCCC
D	CSC/DD	CSDDD
E	CSC/EE	CSEEE
F	CSC/FF	CSFFF
G	CSC/GG	CSGGG
H	CSC/HH	CSHHH
I	CSC/II	CSIII
J	CSC/JJ	CSJJJ
K	CSC/KK	CSKKK
L	CSC/LL	CSLLL

Marking	Table type (100 elements)	Cat. No.
M	CSC/MM	CSMMM
N	CSC/NN	CSNNN
P	CSC/PP	CSPPP
Q	CSC/QQ	CSQQQ
R	CSC/RR	CSRRR
S	CSC/SS	CSSSS
T	CSC/TT	CSTTT
U	CSC/UU	CSUUU
V	CSC/VV	CSVVV
W	CSC/WW	CSWWW
X	CSC/XX	CSXXX
Y	CSC/YY	CSYYY
Z	CSC/ZZ	CSZZZ
a	CSC/aa	CS00A
b	CSC/bb	CS00B
c	CSC/cc	CS00C
d	CSC/dd	CS00D
e	CSC/ee	CS00E
f	CSC/ff	CS00F
g	CSC/gg	CS00G
h	CSC/hh	CS00H
i	CSC/ii	CS00I
j	CSC/jj	CS00J
k	CSC/kk	CS00K

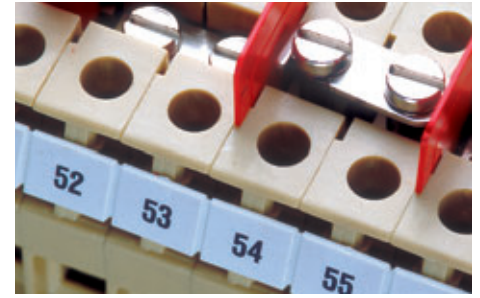
Marking	Table type (100 elements)	Cat. No.
l	CSC/ll	CS00L
m	CSC/mm	CS00M
n	CSC/nn	CS00N
o	CSC/oo	CS00O
p	CSC/pp	CS00P
q	CSC/qq	CS00Q
r	CSC/rr	CS00R
s	CSC/ss	CS00S
t	CSC/tt	CS00T
u	CSC/uu	CS00U
v	CSC/vv	CS00V
w	CSC/ww	CS00W
x	CSC/xx	CS00X
y	CSC/yy	CS00Y
z	CSC/zz	CS00Z
=	CSC/G1	CS0G1
+	CSC/G2	CS0G2
-	CSC/G3	CS0G3
~	CSC/G4	CS0G4
⊕	CSC/G5	CS0G5
⊖	CSC/G6	CS0G6
÷	CSC/G7	CS0G7
/	CSC/G8	CS0G8
(	CSC/G9	CS0G9

Numbering strips

For the rapid marking of terminal boards.

In plastic material, to be applied directly to certain types of melamine or polyamide terminal blocks, and by acting with the elastic clip-on system.

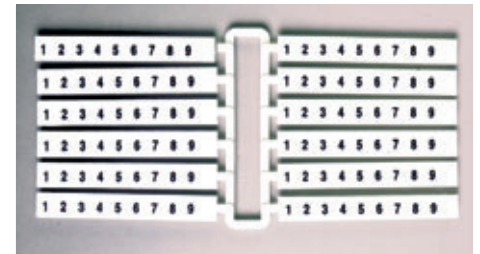
Available in strips of 10 elements.



SNZ for screw-clamp terminal blocks

SHZ for spring-clamp terminal blocks

Terminal block	Strip type	Terminal block	Strip type
Screw-clamp terminal blocks		SV.6	SNZ/8
CBC.2	SNZ/508	SV.10	SNZ/10
CBC.4	SNZ/60	TC/DIN	SNZ/5
CBC.6	SNZ/8	TC/PO	SNZ/5
CBC.10	SNZ/10	TDE.2	SNZ/60
AFO.2/1+2	SNZ/65	TLD.2	SNZ/60
AFO.2/2+2	SNZ/65	TLE.2	SNZ/60
CBD.2	SNZ/5	TLS.2	SNZ/60
CBD.4	SNZ/65	VPC.2	SNZ/508
CBD.6	SNZ/8	VPD.2	SNZ/508
CBD.10	SNZ/10		
CBR.2	SNZ/508	Spring-clamp terminal blocks	
CVF.2	SNZ/60	HCD.1	SNZ/508
DAS.4	SNZ/60	HMF.4	SHZ/6
DBC.2	SNZ/508	HMFA.2	SHZ/2
DSFA.4	SNZ/60	HMD.1	SHZ/1
DSS.4	SNZ/60	HMD.2	SHZ/2
EDM.2	SNZ/65	HMD.2N	SHZ/2
EDM.4	SNZ/8	HMM.1	SHZ/1
EDM.6	SNZ/10	HMM.1/1+2	SHZ/1
EDM.10	SNZ/60	HMM.1/2+2	SHZ/1
FDP.2	SNZ/65	HMM.2	SHZ/2
FFS.4	SNZ/65	HMM.2/1+2	SHZ/2
FVS.4	SNZ/8	HMM.2/2+2	SHZ/2
MAC.6	SNZ/5	HMM.2/2+2/S	SHZ/2
MPFA.4	SNZ/60	HMM.4	SHZ/4
MPS.2/SV	SNZ/5	HMM.6	SHZ/6
MPS.2/SW	SNZ/5	HMS.2	SHZ/2
MPS.2/SWP	SNZ/5	HPP.2	SHZ/2
MPS.4	SNZ/60	HPP.2/P	SHZ/2
NCS	SNZ/60	HTE.1	SHZ/1
NCV	SNZ/60	HTE.1/1+2	SHZ/1
PDF.2	SNZ/65	HTE.1/2+2	SHZ/1
RFI.2	SNZ/60	HTE.2	SHZ/2
RN.1	SNZ/4	HTE.2/1+2	SHZ/2
RN.2	SNZ/508	HTE.2/2+2	SHZ/2
RP.4	SNZ/60	HTE.4	SHZ/4
SCB.4	SNZ/60	HTE.6	SHZ/6
SCB.6	SNZ/8	HVPC.2	SHZ/2
SFO.4	SNZ/8	HVTE.2	SHZ/2
SFR.4	SNZ/8	CHP.2	-
SFR.6	SNZ/10	CHP.2D	-
SV.2	SNZ/5	CHTE.2	-
SV.4	SNZ/7	CHTE.2D	-



Numbering strips

SNZ for screw-clamp terminal blocks

Marking	SNZ/4		SNZ/5		SNZ/508		SNZ/60	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	SNZ/4/00	SN008	SNZ/5/00	SN001	SNZ/508/00	SN009	SNZ/60/00	SN007
From 1 to 9	SNZ/4/19	SN819	SNZ/5/19	SN119	SNZ/508/19	SN919	SNZ/60/19	SN719
From 1 to 10	SNZ/4/10	SN810	SNZ/5/10	SN110	SNZ/508/10	SN910	SNZ/60/10	SN710
From 11 to 20	SNZ/4/11	SN811	SNZ/5/11	SN111	SNZ/508/11	SN911	SNZ/60/11	SN711
From 21 to 30	SNZ/4/21	SN821	SNZ/5/21	SN121	SNZ/508/21	SN921	SNZ/60/21	SN721
From 31 to 40	SNZ/4/31	SN831	SNZ/5/31	SN131	SNZ/508/31	SN931	SNZ/60/31	SN731
From 41 to 50	SNZ/4/41	SN841	SNZ/5/41	SN141	SNZ/508/41	SN941	SNZ/60/41	SN741
From 51 to 60	SNZ/4/51	SN518	SNZ/5/51	SN151	SNZ/508/51	SN951	SNZ/60/51	SN751
From 61 to 70	SNZ/4/61	SN861	SNZ/5/61	SN161	SNZ/508/61	SN961	SNZ/60/61	SN761
From 71 to 80	SNZ/4/71	SN871	SNZ/5/71	SN171	SNZ/508/71	SN971	SNZ/60/71	SN771
From 81 to 90	SNZ/4/81	SN881	SNZ/5/81	SN181	SNZ/508/81	SN981	SNZ/60/81	SN781
From 91 to 99	SNZ/4/91	SN891	SNZ/5/91	SN191	SNZ/508/91	SN991	SNZ/60/91	SN791

Marking	SNZ/65		SNZ/7		SNZ/8		SNZ/10	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	SNZ/65/00	SN006	SNZ/7/00	SN003	SNZ/8/00	SN004	SNZ/10/00	SN005
From 1 to 9	SNZ/65/19	SN619	SNZ/7/19	SN319	SNZ/8/19	SN419	SNZ/10/19	SN519
From 1 to 10	SNZ/65/10	SN610	SNZ/7/10	SN310	SNZ/8/10	SN410	SNZ/10/10	SN510
From 11 to 20	SNZ/65/11	SN611	SNZ/7/11	SN311	SNZ/8/11	SN411	SNZ/10/11	SN511
From 21 to 30	SNZ/65/21	SN621	SNZ/7/21	SN321	SNZ/8/21	SN421	SNZ/10/21	SN521
From 31 to 40	SNZ/65/31	SN631	SNZ/7/31	SN331	SNZ/8/31	SN431	SNZ/10/31	SN531
From 41 to 50	SNZ/65/41	SN641	SNZ/7/41	SN341	SNZ/8/41	SN441	SNZ/10/41	SN541
From 51 to 60	SNZ/65/51	SN651	SNZ/7/51	SN351	SNZ/8/51	SN451	SNZ/10/51	SN551
From 61 to 70	SNZ/65/61	SN661	SNZ/7/61	SN361	SNZ/8/61	SN461	SNZ/10/61	SN561
From 71 to 80	SNZ/65/71	SN671	SNZ/7/71	SN371	SNZ/8/71	SN471	SNZ/10/71	SN571
From 81 to 90	SNZ/65/81	SN681	SNZ/7/81	SN381	SNZ/8/81	SN481	SNZ/10/81	SN581
From 91 to 99	SNZ/65/91	SN691	SNZ/7/91	SN391	SNZ/8/91	SN491	SNZ/10/91	SN591

Numbering strips

SHZ for spring-clamp terminal blocks

Marking	SHZ/1(*)		SHZ/2		SHZ/4		SHZ/6	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	SHZ/1/00	SH004	SHZ/2/00	SH001	SHZ/4/00	SH002	SHZ/6/00	SH003
From 1 a 9	SHZ/1/19	SH419	SHZ/2/19	SH119	SHZ/4/19	SH219	SHZ/6/19	SH319
From 1 a 10	SHZ/1/10	SH410	SHZ/2/10	SH110	SHZ/4/10	SH210	SHZ/6/10	SH310
From 11 a 20	SHZ/1/11	SH411	SHZ/2/11	SH111	SHZ/4/11	SH211	SHZ/6/11	SH311
From 21 a 30	SHZ/1/21	SH421	SHZ/2/21	SH121	SHZ/4/21	SH221	SHZ/6/21	SH321
From 31 a 40	SHZ/1/31	SH431	SHZ/2/31	SH131	SHZ/4/31	SH231	SHZ/6/31	SH331
From 41 a 50	SHZ/1/41	SH441	SHZ/2/41	SH141	SHZ/4/41	SH241	SHZ/6/41	SH341
From 51 a 60	SHZ/1/51	SH451	SHZ/2/51	SH151	SHZ/4/51	SH251	SHZ/6/51	SH351
From 61 a 70	SHZ/1/61	SH461	SHZ/2/61	SH161	SHZ/4/61	SH261	SHZ/6/61	SH361
From 71 a 80	SHZ/1/71	SH471	SHZ/2/71	SH171	SHZ/4/71	SH271	SHZ/6/71	SH371
From 81 a 90	SHZ/1/81	SH481	SHZ/2/81	SH181	SHZ/4/81	SH281	SHZ/6/81	SH381
From 91 a 100	SHZ/1/91	SH491	SHZ/2/91	SH191	SHZ/4/91	SH291	SHZ/6/91	SH391
Strip marked A	SHZ/1/AA	SH4AA	SHZ/2/AA	SH1AA	SHZ/4/AA	SH2AA	SHZ/6/AA	SH3AA
Strip marked B	SHZ/1/BB	SH4BB	SHZ/2/BB	SH1BB	SHZ/4/BB	SH2BB	SHZ/6/BB	SH3BB
Strip marked C	SHZ/1/CC	SH4CC	SHZ/2/CC	SH1CC	SHZ/4/CC	SH2CC	SHZ/6/CC	SH3CC
Strip marked D	SHZ/1/DD	SH4DD	SHZ/2/DD	SH1DD	SHZ/4/DD	SH2DD	SHZ/6/DD	SH3DD
Strip marked E	SHZ/1/EE	SH4EE	SHZ/2/EE	SH1EE	SHZ/4/EE	SH2EE	SHZ/6/EE	SH3EE
Strip marked F	SHZ/1/FF	SH4FF	SHZ/2/FF	SH1FF	SHZ/4/FF	SH2FF	SHZ/6/FF	SH3FF
Strip marked G	SHZ/1/GG	SH4GG	SHZ/2/GG	SH1GG	SHZ/4/GG	SH2GG	SHZ/6/GG	SH3GG
Strip marked H	SHZ/1/HH	SH4HH	SHZ/2/HH	SH1HH	SHZ/4/HH	SH2HH	SHZ/6/HH	SH3HH
Strip marked I	SHZ/1/II	SH4II	SHZ/2/II	SH1II	SHZ/4/II	SH2II	SHZ/6/II	SH3II
Strip marked J	SHZ/1/JJ	SH4JJ	SHZ/2/JJ	SH1JJ	SHZ/4/JJ	SH2JJ	SHZ/6/JJ	SH3JJ
Strip marked K	SHZ/1/KK	SH4KK	SHZ/2/KK	SH1KK	SHZ/4/KK	SH2KK	SHZ/6/KK	SH3KK
Strip marked L	SHZ/1/LL	SH4LL	SHZ/2/LL	SH1LL	SHZ/4/LL	SH2LL	SHZ/6/LL	SH3LL
Strip marked M	SHZ/1/MM	SH4MM	SHZ/2/MM	SH1MM	SHZ/4/MM	SH2MM	SHZ/6/MM	SH3MM
Strip marked N	SHZ/1/NN	SH4NN	SHZ/2/NN	SH1NN	SHZ/4/NN	SH2NN	SHZ/6/NN	SH3NN
Strip marked O	SHZ/1/00	SH400	SHZ/2/00	SH100	SHZ/4/00	SH200	SHZ/6/00	SH300
Strip marked P	SHZ/1/PP	SH4PP	SHZ/2/PP	SH1PP	SHZ/4/PP	SH2PP	SHZ/6/PP	SH3PP
Strip marked Q	SHZ/1/QQ	SH4QQ	SHZ/2/QQ	SH1QQ	SHZ/4/QQ	SH2QQ	SHZ/6/QQ	SH3QQ
Strip marked R	SHZ/1/RR	SH4RR	SHZ/2/RR	SH1RR	SHZ/4/RR	SH2RR	SHZ/6/RR	SH3RR
Strip marked S	SHZ/1/SS	SH4SS	SHZ/2/SS	SH1SS	SHZ/4/SS	SH2SS	SHZ/6/SS	SH3SS
Strip marked T	SHZ/1/TT	SH4TT	SHZ/2/TT	SH1TT	SHZ/4/TT	SH2TT	SHZ/6/TT	SH3TT
Strip marked U	SHZ/1/UU	SH4UU	SHZ/2/UU	SH1UU	SHZ/4/UU	SH2UU	SHZ/6/UU	SH3UU
Strip marked V	SHZ/1/VV	SH4VV	SHZ/2/VV	SH1VV	SHZ/4/VV	SH2VV	SHZ/6/VV	SH3VV
Strip marked W	SHZ/1/WW	SH4WW	SHZ/2/WW	SH1WW	SHZ/4/WW	SH2WW	SHZ/6/WW	SH3WW
Strip marked X	SHZ/1/XX	SH4XX	SHZ/2/XX	SH1XX	SHZ/4/XX	SH2XX	SHZ/6/XX	SH3XX
Strip marked Y	SHZ/1/YY	SH4YY	SHZ/2/YY	SH1YY	SHZ/4/YY	SH2YY	SHZ/6/YY	SH3YY
Strip marked Z	SHZ/1/ZZ	SH4ZZ	SHZ/2/ZZ	SH1ZZ	SHZ/4/ZZ	SH2ZZ	SHZ/6/ZZ	SH3ZZ
Strip marked L1	SHZ/1/L1	SH4L1	SHZ/2/L1	SH1L1	SHZ/4/L1	SH2L1	SHZ/6/L1	SH3L1
Strip marked L2	SHZ/1/L2	SH4L2	SHZ/2/L2	SH1L2	SHZ/4/L2	SH2L2	SHZ/6/L2	SH3L2
Strip marked L3	SHZ/1/L3	SH4L3	SHZ/2/L3	SH1L3	SHZ/4/L3	SH2L3	SHZ/6/L3	SH3L3
Strip marked PE	SHZ/1/PE	SH4PE	SHZ/2/PE	SH1PE	SHZ/4/PE	SH2PE	SHZ/6/PE	SH3PE
Strip marked PEN	SHZ/1/PEN	SH4PEN	SHZ/2/PEN	SH1PEN	SHZ/4/PEN	SH2PEN	SHZ/6/PEN	SH3PEN
Strip marked T1	SHZ/1/T1	SH4T1	SHZ/2/T1	SH1T1	SHZ/4/T1	SH2T1	SHZ/6/T1	SH3T1
Strip marked T2	SHZ/1/T2	SH4T2	SHZ/2/T2	SH1T2	SHZ/4/T2	SH2T2	SHZ/6/T2	SH3T2
Strip marked T3	SHZ/1/T3	SH4T3	SHZ/2/T3	SH1T3	SHZ/4/T3	SH2T3	SHZ/6/T3	SH3T3
Strip marked U1	SHZ/1/U1	SH4U1	SHZ/2/U1	SH1U1	SHZ/4/U1	SH2U1	SHZ/6/U1	SH3U1
Strip marked U2	SHZ/1/U2	SH4U2	SHZ/2/U2	SH1U2	SHZ/4/U2	SH2U2	SHZ/6/U2	SH3U2
Strip marked U3	SHZ/1/U3	SH4U3	SHZ/2/U3	SH1U3	SHZ/4/U3	SH2U3	SHZ/6/U3	SH3U3
Strip marked V1	SHZ/1/V1	SH4V1	SHZ/2/V1	SH1V1	SHZ/4/V1	SH2V1	SHZ/6/V1	SH3V1
Strip marked V2	SHZ/1/V2	SH4V2	SHZ/2/V2	SH1V2	SHZ/4/V2	SH2V2	SHZ/6/V2	SH3V2
Strip marked W1	SHZ/1/W1	SH4W1	SHZ/2/W1	SH1W1	SHZ/4/W1	SH2W1	SHZ/6/W1	SH3W1
Strip marked W2	SHZ/1/W2	SH4W2	SHZ/2/W2	SH1W2	SHZ/4/W2	SH2W2	SHZ/6/W2	SH3W2
Strip marked =	SHZ/1/G1	SH4G1	SHZ/2/G1	SH1G1	SHZ/4/G1	SH2G1	SHZ/6/G1	SH3G1
Strip marked +	SHZ/1/G2	SH4G2	SHZ/2/G2	SH1G2	SHZ/4/G2	SH2G2	SHZ/6/G2	SH3G2
Strip marked -	SHZ/1/G3	SH4G3	SHZ/2/G3	SH1G3	SHZ/4/G3	SH2G3	SHZ/6/G3	SH3G3
Strip marked ~	SHZ/1/G4	SH4G4	SHZ/2/G4	SH1G4	SHZ/4/G4	SH2G4	SHZ/6/G4	SH3G4
Strip marked ⊥	SHZ/1/G5	SH4G5	SHZ/2/G5	SH1G5	SHZ/4/G5	SH2G5	SHZ/6/G5	SH3G5
Strip marked ⊕	SHZ/1/G6	SH4G6	SHZ/2/G6	SH1G6	SHZ/4/G6	SH2G6	SHZ/6/G6	SH3G6
Strip marked ÷	SHZ/1/G7	SH4G7	SHZ/2/G7	SH1G7	SHZ/4/G7	SH2G7	SHZ/6/G7	SH3G7
Strip marked /	SHZ/1/G8	SH4G8	SHZ/2/G8	SH1G8	SHZ/4/G8	SH2G8	SHZ/6/G8	SH3G8
Strip marked (	SHZ/1/G9	SH4G9	SHZ/2/G9	SH1G9	SHZ/4/G9	SH2G9	SHZ/6/G9	SH3G9



SHZ numbering strips can be mounted on the sides of the terminal block or in the appropriate housings provided in the upper part of the terminal block itself.

(*) for availability, please contact our Sales department

Specific accessories

Short circuit plates



SCB/6/PO/2 Cat. No. **SB203**
Short circuit plate for two adjacent SCB.6 terminal blocks



SCB/6/PO/4 Cat. No. **SB204**
Short circuit plate for four adjacent SCB.6 terminal blocks



HSCB/6/PO/2 Cat. No. **HB203**
Short circuit plate for two adjacent HSCB.6 terminal blocks



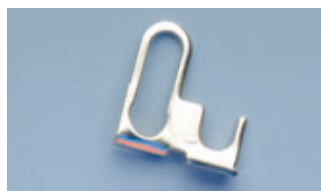
HSCB/6/PO/4 Cat. No. **HB204**
Short circuit plate for four adjacent HSCB.6 terminal blocks



SCB/4/PO/2 Cat. No. **SB303**
Short circuit plate for two adjacent SCB.4 terminal blocks



SCB/4/PO/4 Cat. No. **SB304**
Short circuit plate for four adjacent SCB.4 terminal blocks



SCX/PO/2 Cat. No. **SC103**
Short circuit plate for two adjacent SCX.10 terminal blocks



SCX/PO/4 Cat. No. **SC104**
Short circuit plate for four adjacent SCX.10 terminal blocks

Allow the simultaneous earth connection of current transformers already connected to SCB.4, SCB.6 or SCX.10 terminal blocks.
They are made up of special plates and sleeves guaranteeing the correct operational sequence.
The plates, in the open position, avoid the translation movement of slide-links, preventing the disconnection of current circuits.

Short circuit screws and sleeves



SCB/6/CPM Cat. No. **SB205**
Sleeve to be used with SCB/6/PO link



HSCB/6/CPM Cat. No. **HB205**
Sleeve to be used with HSCB/6/PO link



SCB/4/CPM Cat. No. **SB305**
Sleeve to be used with SCB/4/PO link



SCX/CPM Cat. No. **SC105**
Sleeve to be used with SCX/PO link (*)

(*) supplied assembled as in position A. In order to be inserted into the slot of the plate, it must be dismantled as in position B, then reassembled and screwed into the body of the terminal block.

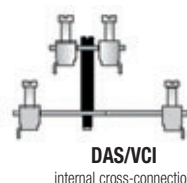
Internal/external cross-connection devices



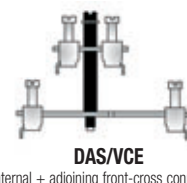
FVS/VCI Cat. No. **FV107**
Screw and sleeve to perform the internal link between the front and back conducting bodies of FVS.4 terminal block.



FVS/VCE Cat. No. **FV108**
Screw and sleeve to perform the internal and external link between the front and back conducting bodies of FVS.4 terminal blocks.



DAS/VCI Cat. No. **DS107**
Screw and sleeve to perform the internal link between the front and back conducting bodies of DAS.4 terminal blocks.



DAS/VCE Cat. No. **DS108**
Screw and sleeve to perform the internal link between front and back conducting bodies or to externally link the conducting bodies of adjacent terminal blocks, of DAS.4 terminal blocks.

Conducting elements



CO/5 Cat. No. **VL103**
Ø 5 x 20 mm - in brass for terminal block types:
SFO.4 - SFR.4 - SFR.6/M - FLD.10/F5 - HMF.4 - VLM.10



SFC/CO Cat. No. **FC102**
Ø 6,3 x 32 mm - in brass for terminal block types:
FPC.10 - SFC.10 - SFR.6 - with the option of inserting an SDD/2 test plug

Terminal blocks suited for Ø 5 x 20 mm or Ø 6 x 32 mm fuses can be used as simple disconnection blocks by inserting special **conducting elements**.

Screening lug



CBD/SH Cat. No. **CB009**
For the connection of the cable shielding - to be used on terminal blocks type CBD.2, 4, 6, 10.

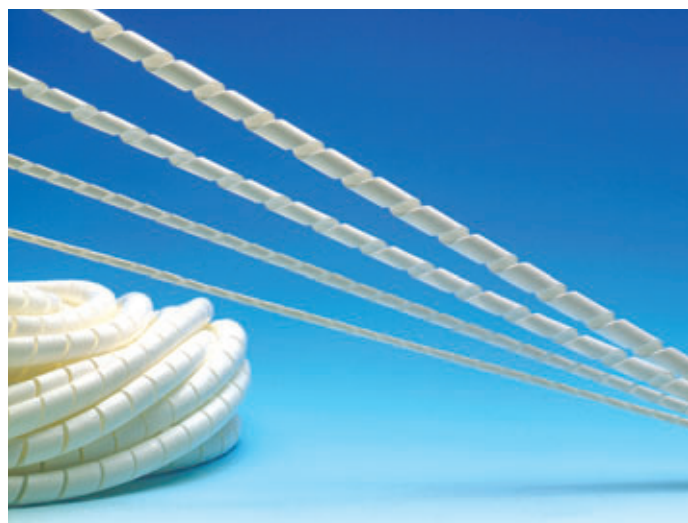
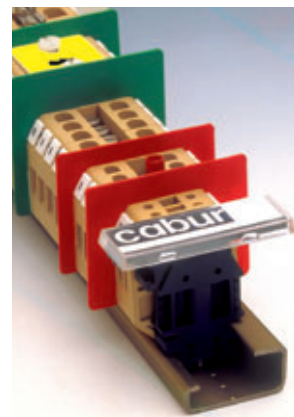
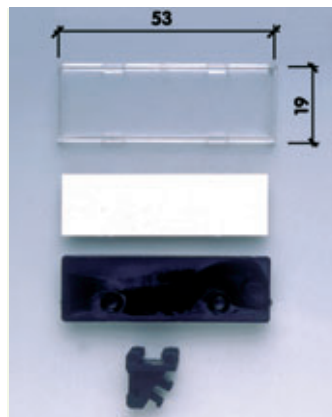
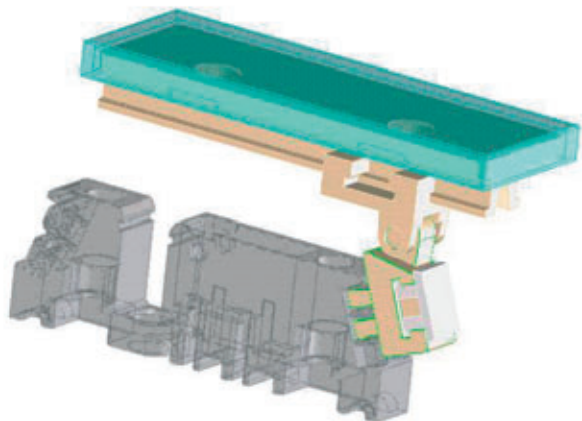
TIM identification plate

Cat.No. TIM02

Identification plates for groups of terminal blocks

supplied with blank tag and transparent cover

The special support, to be inserted in the tag-holders of the terminal blocks and of end brackets type: BT/DIN/PO-BT/3-BTU, allows optimal positioning of the tag itself.



TSA cable bindings

to be discontinued

For the rapid wiring of conductors; in self-extinguishing polyamide, available in the following sizes:

TSA/3	int. Ø = 1,5 mm - ext. Ø = 3,5 mm	Cat. No. TSA03
TSA/6	int. Ø = 4 mm - ext. Ø = 6 mm	Cat. No. TSA06
TSA/10	int. Ø = 8 mm - ext. Ø = 10 mm	Cat. No. TSA10
TSA/12	int. Ø = 9,5 mm - ext. Ø = 12 mm	Cat. No. TSA12

CB/CTL pens for hand-written labelling



Fine, water-resistant, black and red, suitable for marking CNU blank tags and SNZ strips.

Cat. No. **CT004** - black

Cat. No. **CT006** - red

Screwdrivers and pliers

Screwdrivers for the activation of the spring on **H** series terminal blocks



CCH/2,5-4

Cat. No. **CCH02**

blade	0,5 x 3 x 80 mm
length	160 mm

CCH/6

Cat. No. **CCH06**

blade	1 x 5,5 x 125 mm
length	220 mm

Screwdrivers insulated for voltages up to 1000 V



CCV/2,5

Cat. No. **CCV03**

blade	0,4 x 2,5 x 75 mm
length	160 mm

CCV/4

Cat. No. **CCV04**

blade	0,8 x 4 x 100 mm
length	195 mm

CCV/5

Cat. No. **CCV05**

blade	1 x 5,5 x 125 mm
length	220 mm

The ergonomic shape of the handle guarantees comfort during all types of use. Furthermore, each handle has slip-proof rubber inserts, in light colour, to ensure a good grip on the tool.



Crimping pliers



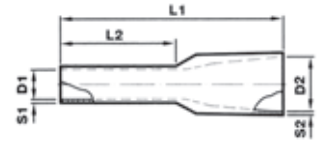
This tool has been designed for plant engineering. The parallel movement of the matrices generates a 10000 N force. The entire tool is coated with plastic, which makes it ergonomic and comfortable to use.

Type	Cat. No.	Description
UMCT	UMCT3149	Crimping tool
UMPU02510	UMCT3127	Matrix for ferrules from 0.25 to 10 mm ²
UMPU1625	UMCT3153	Matrix for ferrules from 16 to 25 mm ²
UMPU3550	UMCT3154	Matrix for ferrules from 35 to 50 mm ²
UMPI1525	UMCT3129	Matrix for eyelets and spade lugs from 1,5 to 2,5 mm ²
UMPI4060	UMCT3128	Matrix for eyelets and spade lugs from 4 to 6 mm ²

Ferrules

WP ferrules with insulated collar

For cable termination, a complete range of single entry bootlace ferrules is available. In electrolytic tinned copper, with polypropylene insulation.



Reference drawing

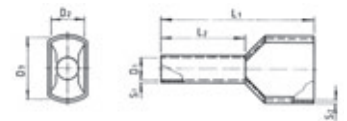
TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm ²)	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	S1 (mm)	S2 (mm)
WP5-14	WP30002	Ferrule	White	0,5	1,0	2,6	14,0	8,0	0,15	0,25
WP75-14	WP30005	Ferrule	Grey	0,75	1,2	2,8	14,0	8,0	0,15	0,25
WP1-14	WP30009	Ferrule	Red	1,0	1,4	3,0	14,0	8,0	0,15	0,25
WP15-14	WP30013	Ferrule	Black	1,5	1,7	3,5	14,0	8,0	0,15	0,25
WP25-14	WP30016	Ferrule	Blue	2,5	2,2	4,2	14,0	8,0	0,15	0,25
WP40-16	WP30019	Ferrule	Grey	4,0	2,8	4,8	17,0	10,0	0,2	0,3
WP60-20	WP30022	Ferrule	Yellow	6,0	3,5	6,3	20,0	12,0	0,2	0,3
WP100-21	WP30024	Ferrule	Red	10,0	4,5	7,6	22,0	12,0	0,2	0,4
WP160-22	WP30026	Ferrule	Blue	16,0	5,8	8,8	24,0	12,0	0,2	0,4
WP250-29	WP30028	Ferrule	Yellow	25,0	7,3	11,2	30,0	16,0	0,2	0,4
WP350-30	WP30030	Ferrule	Red	35,0	8,3	12,7	30,0	16,0	0,2	0,4
WP500-40	WP30032	Ferrule	Blue	50,0	10,3	15,0	36,0	20,0	0,3	0,5

WPD ferrules with insulated collar – double entry

Double entry ferrules are made of electrolytic tinned copper and insulation in special polyamide for high temperatures (+ 110 °C).

These ferrules are designed to be used in connections requiring safe and rapid shunting; indeed, current tendencies towards the miniaturisation of electrical circuits provide a valid and economic use for these terminals.

The unique and large entry space comfortably takes the width of two wires.



Reference drawing

TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm²)	DIMENSIONS (mm)						
					D1	D2	D3	L1	L2	S1	S2
WPD05/15	WP90001	Ferrule	White	2,0 x 0,5	1,5	2,5	4,7	15,7	8,7	0,15	0,3
WPD75/15	WP90002	Ferrule	Grey	2,0 x 0,75	1,8	2,8	5,0	15,5	8,9	0,15	0,3
WPD01/15	WP90003	Ferrule	Red	2,0 x 1,0	2,3	3,2	5,5	15,8	8,0	0,15	0,3
WPD15/16	WP90004	Ferrule	Black	2,0 x 1,5	2,3	3,5	6,5	16,0	8,0	0,15	0,3
WPD25/18	WP90005	Ferrule	Blue	2,0 x 2,5	2,9	4,3	7,5	18,3	10,0	0,20	0,4
WPD04/23	WP90006	Ferrule	Grey	2,0 x 4,0	3,8	4,9	8,8	23,3	12,5	0,20	0,4

Eyelets



TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm ²)	PITCH
WPO5030/Y	WPO4001	Eyelet	Yellow	0,5	M3
WPO5035/Y	WPO4002	Eyelet	Yellow	0,5	M3,5
WPO5040/Y	WPO4003	Eyelet	Yellow	0,5	M4
WPO5050/Y	WPO4004	Eyelet	Yellow	0,5	M5
WPO5060/R	WPO4005	Eyelet	Red	0,5	M6
WPO5080/R	WPO4006	Eyelet	Red	0,5	M8
WPO7530/R	WPO4007	Eyelet	Red	0,75	M3
WPO7535/R	WPO4008	Eyelet	Red	0,75	M3,5
WPO7540/R	WPO4009	Eyelet	Red	0,75	M4
WPO7550/R	WPO4010	Eyelet	Red	0,75	M5
WPO7560/R	WPO4011	Eyelet	Red	0,75	M6
WPO7580/R	WPO4012	Eyelet	Red	0,75	M8
WPO10030/R	WPO4013	Eyelet	Red	1,0	M3
WPO10035/R	WPO4014	Eyelet	Red	1,0	M3,5
WPO10040/R	WPO4015	Eyelet	Red	1,0	M4
WPO10050/R	WPO4016	Eyelet	Red	1,0	M5
WPO10060/R	WPO4017	Eyelet	Red	1,0	M6
WPO10080/R	WPO4018	Eyelet	Red	1,0	M8
WPO15030/R	WPO4019	Eyelet	Red	1,5	M3
WPO15035/R	WPO4020	Eyelet	Red	1,5	M3,5
WPO15040/R	WPO4021	Eyelet	Red	1,5	M4
WPO15050/R	WPO4022	Eyelet	Red	1,5	M5
WPO15060/R	WPO4023	Eyelet	Red	1,5	M6
WPO15080/R	WPO4024	Eyelet	Red	1,5	M8
WPO150100/R	WPO4025	Eyelet	Red	1,5	M10
WPO25030/B	WPO4026	Eyelet	Blue	2,5	M3
WPO25035/B	WPO4027	Eyelet	Blue	2,5	M3,5M
WPO25040/B	WPO4028	Eyelet	Blue	2,5	M4
WPO25050/B	WPO4029	Eyelet	Blue	2,5	M5
WPO25060/B	WPO4030	Eyelet	Blue	2,5	M6
WPO25080/B	WPO4031	Eyelet	Blue	2,5	M8
WPO250100/B	WPO4032	Eyelet	Blue	2,5	M10
WPO40040/Y	WPO4033	Eyelet	Giallo	4,0	M4
WPO40050/Y	WPO4034	Eyelet	Giallo	4,0	M5
WPO40060/Y	WPO4035	Eyelet	Yellow	4,0	M6
WPO40080/Y	WPO4036	Eyelet	Yellow	4,0	M8
WPO4001000/Y	WPO4037	Eyelet	Yellow	4,0	M10
WPO400120/Y	WPO4038	Eyelet	Yellow	4,0	M12
WPO60040/Y	WPO4039	Eyelet	Yellow	6,0	M4
WPO60050/Y	WPO4040	Eyelet	Yellow	6,0	M5
WPO60060/Y	WPO4041	Eyelet	Yellow	6,0	M6
WPO60080/Y	WPO4042	Eyelet	Yellow	6,0	M8
WPO600100/Y	WPO4043	Eyelet	Yellow	6,0	M10
WPO600120/Y	WPO4044	Eyelet	Yellow	6,0	M12

Spade lugs



TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm ²)	PITCH
WPF5030/R	WPF5001	Spade lug	Red	0,5	M3
WPF5035/R	WPF5002	Spade lug	Red	0,5	M3,5
WPF5040/R	WPF5003	Spade lug	Red	0,5	M4
WPF5050/R	WPF5004	Spade lug	Red	0,5	M4
WPF5060/R	WPF5005	Spade lug	Red	0,5	M6
WPF7530/R	WPF5006	Spade lug	Red	0,75	M3
WPF7535/R	WPF5007	Spade lug	Red	0,75	M3,5
WPF7540/R	WPF5008	Spade lug	Red	0,75	M4
WPF7550/R	WPF5009	Spade lug	Red	0,75	M5
WPF7560/R	WPF5010	Spade lug	Red	0,75	M6
WPF10030/R	WPF5011	Spade lug	Red	1,0	M3
WPF10035/R	WPF5012	Spade lug	Red	1,0	M3,5
WPF10040/R	WPF5013	Spade lug	Red	1,0	M4
WPF10050/R	WPF5014	Spade lug	Red	1,0	M5
WPF10060/R	WPF5015	Spade lug	Red	1,0	M5
WPF15030/R	WPF5016	Spade lug	Red	1,5	M3
WPF15035/R	WPF5017	Spade lug	Red	1,5	M3,5
WPF15040/R	WPF5018	Spade lug	Red	1,5	M4
WPF15050/R	WPF5019	Spade lug	Red	1,5	M5
WPF15060/R	WPF5020	Spade lug	Red	1,5	M6
WPF25030/B	WPF5021	Spade lug	Blue	2,5	M3
WPF25035/B	WPF5022	Spade lug	Blue	2,5	M3,5
WPF25040/B	WPF5023	Spade lug	Blue	2,5	M4
WPF25050/B	WPF5024	Spade lug	Blue	2,5	M5
WPF25060/B	WPF5025	Spade lug	Blue	2,5	M6
WPF40040/Y	WPF5026	Spade lug	Yellow	4,0	M4
WPF40050/Y	WPF5027	Spade lug	Yellow	4,0	M5
WPF40060/Y	WPF5028	Spade lug	Yellow	4,0	M6
WPF40080/Y	WPF5029	Spade lug	Yellow	4,0	M8
WPF60040/Y	WPF5030	Spade lug	Yellow	6,0	M4
WPF60050/Y	WPF5031	Spade lug	Yellow	6,0	M4
WPF60060/Y	WPF5032	Spade lug	Yellow	6,0	M6
WPF60080/Y	WPF5033	Spade lug	Yellow	6,0	M8

Alphabetical index

	TYPE	CAT. NO.	PAGE
A	ACB.120/BB	AC400	20
	ACB.185/BB	AC700	20
	ACB.70/BB	AC100	20
	ACI121017	Z121017	127
	ACI121019	Z121019	127
	ACI121026	Z121026	132
	ACI121116	Z121116	129
	ACI121118	Z121118	132
	ACI121119	Z121119	132
	ACI121121	Z121121	132
	ACI121123	Z121123	132
	ACI121211	Z121211	132
	ACI121212	Z121212	132
	ACI121213	Z121213	131
	ACI121214	Z121214	131
	ACI121215	Z121215	131
	ACI121216	Z121216	131
	ACI121217	Z121217	131
	ACI121218	Z121218	131
	ACI121219	Z121219	131
	ACI121221	Z121221	132
	ACI121228	Z121228	129
	ACI121301	Z121301	129
	ACI121307	Z121307	132
	ACI121311	Z121311	129
	ACI121314	Z121314	129
	ACI121316	Z121316	130
	ACI121317	Z121317	130
	ACI121318	Z121318	130
	ACI121319	Z121319	130
	ACI121410	Z121410	130
	ACI121415	Z121415	129
	ACI121421	Z121421	132
	AFO.2/1+1	AF500	52
	AFO.2/2+2	AF400	52
	AFO.2/2+2/TP	AF410	52
	AFO.2/2+2/TPM	AF420	52
	AFO/PT	AF201	125
B	BPL.4	BP100	65
	BPL.4/PS	BP300	66
	BPL.4/PS/A	BP310	66
	BPL.4/PS/B	BP320	66
	BPL/R	BP200	65
	BT/2	BT006	126
	BT/3	BT003	126
	BT/DIN/PO	BT001	126
	BTO	BT007	126
	BTU	BT005	126
C	CAM	MA110	61
	CAM/B	MA111	61
	CAM/C	MA112	61
	CB/CTL/NERO	CT004	155
	CB/CTL/ROSSO	CT006	155
	CB10/PT	CB431	125
	CB10/PT (Ex)i	CBX44	125
	CB16/PT	CB511	125
	CB16/PT (Ex)i	CBX53	125
	CB2/PT	CB111	125
	CB2/PT (Ex)i	CBX13	125
	CB35/PT	CB611	125
	CB35/PT (Ex)i	CBX63	125
	CB4/6/PT	CB241	125
	CB4/6/PT (Ex)i	CBX25	125
	CB50/PT	CB711	125
	CB50/PT (Ex)i	CBX73	125
	CB70/PT	CB811	125
	CB70/PT (Ex)i	CBX83	125
	CBC.10	CBC10	4
	CBC.10 (Ex)i	CB10	4
	CBC.10/GR	CBC10GR	4
	CBC.16	CBC16	4
	CBC.16 (Ex)i	CB16	4
	CBC.16/GR	CBC16GR	4
	CBC.16/PT	CB161	125
	CBC.16/PT (Ex)i	CB161	125
	CBC.16/PT/GR	CB161GR	125
	CBC.2	CBC02	3
	CBC.2 (Ex)i	CB102	3
	CBC.2-10/PT	CB061	125
	CBC.2-10/PT (Ex)i	CB1061	125
	CBC.2-10/PT/GR	CB061GR	125
	CBC.2/GR	CBC02GR	3
	CBC.35	CBC35	4
	CBC.35 (Ex)i	CB135	4
	CBC.35/GR	CBC35GR	4

	TYPE	CAT. NO.	PAGE
	CBC.35/PT	CB351	125
	CBC.35/PT (Ex)i	CB1351	125
	CBC.35/PT/GR	CB351GR	125
	CBC.4	CBC04	3
	CBC.4 (Ex)i	CB104	3
	CBC.4/GR	CBC04GR	3
	CBC.6	CBC06	3
	CBC.6 (Ex)i	CB106	3
	CBC.6/GR	CBC06GR	3
	CBD.10	CB440	14
	CBD.10 (Ex)i	CBX45	14
	CBD.16	CB510	14
	CBD.16 (Ex)i	CBX52	14
	CBD.2	CB110	13
	CBD.2 (Ex)i	CBX112	13
	CBD.35	CB610	14
	CBD.35 (Ex)i	CBX62	14
	CBD.4	CB240	13
	CBD.4 (Ex)i	CBX24	13
	CBD.50	CB710	15
	CBD.50 (Ex)i	CBX72	15
	CBD.6	CB340	13
	CBD.6 (Ex)i	CBX34	13
	CBD.70	CB810	15
	CBD.70 (Ex)i	CBX82	15
	CBD/SH	CB009	154
	CBE.2	CE110	23
	CBR.2	CR110	5
	CBR.2/GR	CR110GR	5
	CBR/PT	CR111	125
	CBR/PT/GR	CR111GR	125
	CCH/2,5-4	CCH02	156
	CCH/6	CCH06	156
	CCV/2,5	CCV03	156
	CCV/4	CCV04	156
	CCV/5	CCV05	156
	CDA.120/BB	CD400	114
	CDA.120/BC	CD500	113
	CDA.120/CC	CD600	112
	CDA.185/BB	CD710	114
	CDA.185/BC	CD810	113
	CDA.185/CC	CD910	112
	CDA.70/BB	CD100	114
	CDA.70/BC	CD200	113
	CDA.70/CC	CD300	112
	CDA.120/PT	CD401	125
	CDA.185/PT	CD701	125
	CDA.70/PT	CD101	125
	CDA/BT	CD003	126
	CF.08/2+2	CF400	56
	CF.12/1+1	CF100	55
	CF.12/1+1 (Ex)i	CFX10	55
	CF.12/1+1/AG	CFA10	55
	CF.12/2+2	CF200	56
	CF.12/CPT	CF900	55
	CF.12/CPT (Ex)i	CFX90	55
	CF.12/FW/CPT	CFW90	55
	CF.12/FW/CPT (Ex)i	CFW99	55
	CF/PTM	CF301	55
	CF5	FL404	104
	CF5L	FL204	105
	CF6	FL304	105
	CFD	FL504	105
	CHP.2/GR	HVP900GR	87
	CHP.2D/GR	HVP910GR	87
	CHTE.2	HVT900	88
	CHTE.2D	HVT910	88
	CIL/115	SF515	143
	CIL/12	SF512	143
	CIL/230	SF523	143
	CIL/24	SF524	143
	CIL/48	SF548	143
	CNT.16	CNT16	67
	CNT.35	CNT35	67
	CNT.6	CNT06	67
	CNU/5/015	N5015	150
	CNU/5/016	N5016	150
	CNU/5/017	N5017	150
	CNU/5/018	N5018	150
	CNU/5/023	N5023	150
	CNU/5/024	N5024	150
	CNU/5/025	N5025	150
	CNU/5/026	N5026	150
	CNU/5/027	N5027	150
	CNU/5/029	N5029	150

	TYPE	CAT. NO.	PAGE
	CNU/5/030	NU005	150
	CNU/5/110	N5110	150
	CNU/5/123	N5123	150
	CNU/5/250	N5250	150
	CNU/5/350	N5350	150
	CNU/8/000	N8000	148
	CNU/8/001	N8001	149
	CNU/8/010	N8010	148
	CNU/8/011	N8011	149
	CNU/8/012	N8012	149
	CNU/8/013	N8013	149
	CNU/8/014	N8014	149
	CNU/8/015	N8015	149
	CNU/8/016	N8016	149
	CNU/8/017	N8017	149
	CNU/8/018	N8018	149
	CNU/8/019	N8019	149
	CNU/8/020	N8020	149
	CNU/8/021	N8021	149
	CNU/8/022	N8022	149
	CNU/8/023	N8023	149
	CNU/8/024	N8024	149
	CNU/8/025	N8025	149
	CNU/8/026	N8026	149
	CNU/8/027	N8027	149
	CNU/8/028	N8028	149
	CNU/8/030	NU008	148
	CNU/8/031	N8031	149
	CNU/8/032	N8032	149
	CNU/8/033	N8033	149
	CNU/8/034	N8034	149
	CNU/8/035	N8035	149
	CNU/8/036	N8036	149
	CNU/8/037	N8037	149
	CNU/8/038	N8038	149
	CNU/8/043	N8043	149
	CNU/8/044	N8044	149
	CNU/8/045	N8045	149
	CNU/8/046	N8046	149
	CNU/8/047	N8047	149
	CNU/8/048	N8048	149
	CNU/8/049	N8049	149
	CNU/8/050	N8050	149
	CNU/8/051	N8051	149
	CNU/8/0L1	N80L1	149
	CNU/8/0L2	N80L2	149
	CNU/8/0L3	N80L3	149
	CNU/8/0PE	N80PE	149
	CNU/8/0PN	N80PN	149
	CNU/8/0U1	N80U1	149
	CNU/8/0U2	N80U2	149
	CNU/8/0V1	N80V1	149
	CNU/8/0V2	N80V2	149
	CNU/8/0W1	N80W1	149
	CNU/8/0W2	N80W2	149
	CNU/8/100	N8Y100	148
	CNU/8/101	N8Y101	149
	CNU/8/11	N8Y11	148
	CNU/8/111	N8Y111	148
	CNU/8/12	N8Y12	148
	CNU/8/13	N8Y13	148
	CNU/8/14	N8Y14	148
	CNU/8/15	N8Y15	148
	CNU/8/151	N8Y151	149
	CNU/8/16	N8Y16	148
	CNU/8/17	N8Y17	148
	CNU/8/18	N8Y18	148
	CNU/8/19	N8Y19	148
	CNU/8/20	N8Y20	148
	CNU/8/201	N8Y201	149
	CNU/8/21	N8Y21	148
	CNU/8/22	N8Y22	148
	CNU/8/222	N8Y222	148
	CNU/8/23	N8Y23	148
	CNU/8/230	N8Y230	148
	CNU/8/24	N8Y24	148
	CNU/8/25	N8Y25	148
	CNU/8/251	N8Y251	149
	CNU/8/26	N8Y26	148
	CNU/8/27	N8Y27	148
	CNU/8/28	N8Y28	148
	CNU/8/29	N8Y29	148
	CNU/8/30	N8Y30	148
	CNU/8/301	N8Y301	149
	CNU/8/31	N8Y31	148

Alphabetical index

TYPE	CAT. NO.	PAGE
CNU/8/32	N8Y32	148
CNU/8/33	N8Y33	148
CNU/8/333	N8333	148
CNU/8/34	N8Y34	148
CNU/8/35	N8Y35	148
CNU/8/351	N8351	149
CNU/8/36	N8Y36	148
CNU/8/37	N8Y37	148
CNU/8/38	N8Y38	148
CNU/8/39	N8Y39	148
CNU/8/40	N8Y40	148
CNU/8/401	N8401	149
CNU/8/41	N8Y41	148
CNU/8/42	N8Y42	148
CNU/8/43	N8Y43	148
CNU/8/44	N8Y44	148
CNU/8/444	N8444	148
CNU/8/45	N8Y45	148
CNU/8/451	N8451	149
CNU/8/46	N8Y46	148
CNU/8/47	N8Y47	148
CNU/8/48	N8Y48	148
CNU/8/49	N8Y49	148
CNU/8/50	N8Y50	148
CNU/8/501	N8501	149
CNU/8/51	N8Y51	148
CNU/8/510	N8510	149
CNU/8/52	N8Y52	148
CNU/8/520	N8520	149
CNU/8/53	N8Y53	148
CNU/8/530	N8530	149
CNU/8/54	N8Y54	148
CNU/8/540	N8540	149
CNU/8/55	N8Y55	148
CNU/8/550	N8550	149
CNU/8/551	N8551	149
CNU/8/555	N8555	148
CNU/8/56	N8Y56	148
CNU/8/560	N8560	149
CNU/8/57	N8Y57	148
CNU/8/570	N8570	149
CNU/8/58	N8Y58	148
CNU/8/580	N8580	149
CNU/8/59	N8Y59	148
CNU/8/590	N8590	149
CNU/8/60	N8Y60	148
CNU/8/600	N8600	149
CNU/8/601	N8601	149
CNU/8/61	N8Y61	148
CNU/8/62	N8Y62	148
CNU/8/63	N8Y63	148
CNU/8/64	N8Y64	148
CNU/8/65	N8Y65	148
CNU/8/651	N8651	149
CNU/8/66	N8Y66	148
CNU/8/666	N8666	148
CNU/8/67	N8Y67	148
CNU/8/68	N8Y68	148
CNU/8/69	N8Y69	148
CNU/8/70	N8Y70	148
CNU/8/701	N8701	149
CNU/8/71	N8Y71	148
CNU/8/72	N8Y72	148
CNU/8/73	N8Y73	148
CNU/8/74	N8Y74	148
CNU/8/75	N8Y75	148
CNU/8/751	N8751	149
CNU/8/76	N8Y76	148
CNU/8/77	N8Y77	148
CNU/8/777	N8777	148
CNU/8/78	N8Y78	148
CNU/8/79	N8Y79	148
CNU/8/80	N8Y80	148
CNU/8/801	N8801	149
CNU/8/81	N8Y81	148
CNU/8/82	N8Y82	148
CNU/8/83	N8Y83	148
CNU/8/84	N8Y84	148
CNU/8/85	N8Y85	148
CNU/8/851	N8851	149
CNU/8/86	N8Y86	148
CNU/8/87	N8Y87	148
CNU/8/88	N8Y88	148
CNU/8/888	N8888	148
CNU/8/89	N8Y89	148

TYPE	CAT. NO.	PAGE
CNU/8/90	N8Y90	148
CNU/8/901	N8901	149
CNU/8/91	N8Y91	148
CNU/8/910	N8910	148
CNU/8/92	N8Y92	148
CNU/8/93	N8Y93	148
CNU/8/94	N8Y94	148
CNU/8/95	N8Y95	148
CNU/8/951	N8951	149
CNU/8/96	N8Y96	148
CNU/8/97	N8Y97	148
CNU/8/98	N8Y98	148
CNU/8/980	N8980	148
CNU/8/99	N8Y99	148
CNU/8/999	N8999	148
CO/5	VL103	154
CPF/5	CPF05	35
CPF/5	CPF05	84
CPM/01	CPM01	139
CPM/03	CPM03	139
CPM/05	CPM05	139
CPM/06	CPM06	139
CPM/07	CPM07	139
CPM/08	CPM08	139
CPM/11	CPM11	139
CPM/12	CPM12	139
CPM/13	CPM13	139
CPM/14	CPM14	139
CPM/16	CPM16	139
CPM/17	CPM17	139
CPM/20	CPM20	139
CPM/21	CPM21	139
CPM/25	CPM25	139
CPM/44	CPM44	139
CPM/53	CPM53	139
CPM/56	CPM56	139
CPM/57	CPM57	139
CPM/70	CPM70	139
CPM/83	CPM83	139
CPM/99	CPM99	139
CPX/01	CPX01	139
CPX/03	CPX03	139
CPX/05	CPX05	139
CPX/06	CPX06	139
CPX/07	CPX07	139
CPX/08	CPX08	139
CPX/11	CPX11	139
CPX/12	CPX12	139
CPX/13	CPX13	139
CPX/14	CPX14	139
CPX/16	CPX16	139
CPX/21	CPX21	139
CPX/44	CPX44	139
CPX/83	CPX83	139
CSC	CSC00	150
CSC/00	CS000	150
CSC/09	CSC09	150
CSC/11	CS111	150
CSC/22	CS222	150
CSC/33	CS333	150
CSC/44	CS444	150
CSC/55	CS555	150
CSC/66	CS666	150
CSC/77	CS777	150
CSC/88	CS888	150
CSC/99	CS999	150
CSC/aa	CS00A	150
CSC/AA	CSAAA	150
CSC/bb	CS00B	150
CSC/BB	CSBBB	150
CSC/cc	CS00C	150
CSC/CC	CSCCC	150
CSC/dd	CS00D	150
CSC/DD	CSDDD	150
CSC/ee	CS00E	150
CSC/EE	CSEEE	150
CSC/ff	CS00F	150
CSC/FF	CSFFF	150
CSC/G1	CS0G1	150
CSC/G2	CS0G2	150
CSC/G3	CS0G3	150
CSC/G4	CS0G4	150
CSC/G5	CS0G5	150
CSC/G6	CS0G6	150
CSC/G7	CS0G7	150

TYPE	CAT. NO.	PAGE
CSC/G8	CS0G8	150
CSC/G9	CS0G9	150
CSC/gg	CS0GG	150
CSC/GG	CSGGG	150
CSC/hh	CS0HH	150
CSC/HH	CSHHH	150
CSC/ii	CS00I	150
CSC/II	CSIII	150
CSC/jj	CS00J	150
CSC/JJ	CSJJJ	150
CSC/kk	CS00K	150
CSC/KK	CSKKK	150
CSC/ll	CS0LL	150
CSC/LL	CSLLL	150
CSC/mm	CS00M	150
CSC/MM	CSMMM	150
CSC/nn	CS00N	150
CSC/NN	CSNNN	150
CSC/oo	CS00O	150
CSC/pp	CS00P	150
CSC/PP	CSPPP	150
CSC/qq	CS00Q	150
CSC/QQ	CSQQQ	150
CSC/rr	CS00R	150
CSC/RR	CSRRR	150
CSC/ss	CS00S	150
CSC/SS	CSSSS	150
CSC/tt	CS00T	150
CSC/TT	CSTTT	150
CSC/uu	CS00U	150
CSC/UU	CSUUU	150
CSC/vv	CS00V	150
CSC/VV	CSVVV	150
CSC/ww	CS00W	150
CSC/WW	CSWWW	150
CSC/xx	CS00X	150
CSC/XX	CSXXX	150
CSC/yy	CS00Y	150
CSC/YY	CSYYY	150
CSC/zz	CS00Z	150
CSC/ZZ	CSZZZ	150
CVF.4	CV100	53
CVF.4 (Ex)i	CV200	53
CVF.4/TP	CV140	54
CVF.4/VS	CV110	54
CVF.4/VS2	CV130	54
CVF.4/WW	CV120	54
CVF/PT	CV101	125
CVF/PT (Ex)i	CV201	125
DAS.4	DS100	27
DAS.4 (Ex)i	DS200	27
DAS.4/A	DS111	51
DAS.4/A/GR	DS111GR	51
DAS.4/B	DS112	51
DAS.4/B/GR	DS112GR	51
DAS.4/C	DS113	51
DAS.4/C/GR	DS113GR	51
DAS.4/CI	DS117	27
DAS.4/CI (Ex)i	DS217	27
DAS.4/CI/GR	DS117GR	27
DAS.4/D	DS114	51
DAS.4/D/GR	DS114GR	51
DAS.4/D12	DS012	49
DAS.4/D12/GR	DS012GR	49
DAS.4/D24	DS024	49
DAS.4/D24/GR	DS024GR	49
DAS.4/D5	DS005	49
DAS.4/D5/GR	DS005GR	49
DAS.4/D60	DS060	49
DAS.4/D60/GR	DS060GR	49
DAS.4/DD	DS120	51
DAS.4/DD/GR	DS120GR	51
DAS.4/E	DS115	51
DAS.4/E/GR	DS115GR	51
DAS.4/GR	DS100GR	27
DAS.4/I	DS119	51
DAS.4/I/GR	DS119GR	51
DAS.4/L	DS130	51
DAS.4/L/GR	DS130GR	51
DAS.4/SS	DS110	28
DAS.4/SS/GR	DS110GR	28
DAS.4/T	DS128	51
DAS.4/T/GR	DS128GR	51
DAS.4/U	DS129	51
DAS.4/U/GR	DS129GR	51

Alphabetical index

TYPE	CAT. NO.	PAGE
DAS.4/V120	DSV120	50
DAS.4/V120/GR	DSV120GR	50
DAS.4/V230	DSV230	50
DAS.4/V230/GR	DSV230GR	50
DAS.4/V24	DSV024	50
DAS.4/V24/GR	DSV024GR	50
DAS.4/V48	DSV048	50
DAS.4/V48/GR	DSV048GR	50
DAS/PT	DS101	125
DAS/PT (Ex)i	DS201	125
DAS/PT/GR	DS101GR	125
DAS/VCE	DS108	154
DAS/VCI	DS107	154
DBC.2	DB100	26
DBC.2 (Ex)i	DB200	26
DBC.2/CI	DB117	26
DBC.2/CI/GR	DB117GR	26
DBC.2/GR	DB100GR	26
DBC/PT	DB101	125
DBC/PT (Ex)i	DB201	125
DBC/PT/GR	DB101GR	125
DF/VPC	DU02S	58
DFH/1/BIANCO	DH01B	144
DFH/1/ROSSO	DH01R	144
DFH/1/VERDE	DH01V	144
DFH/2/BIANCO	DH02B	144
DFH/2/ROSSO	DH02R	144
DFH/2/VERDE	DH02V	144
DFH/3/BIANCO	DH03B	144
DFH/3/ROSSO	DH03R	144
DFH/3/VERDE	DH03V	144
DFH/4/BIANCO	DH04B	144
DFH/4/ROSSO	DH04R	144
DFH/4/VERDE	DH04V	144
DFM/300	DF300	145
DFM/400	DF400	145
DFM/500	DF500	145
DFM/600	DF600	145
DFM/700	DF700	145
DFM/800	DF800	145
DFP/2/BIANCO	DH02B	144
DFP/2/ROSSO	DFP2R	144
DFP/2/VERDE	DFP2V	144
DFU/1/BIANCO	DU01B	144
DFU/1/ROSSO	DU01R	144
DFU/1/VERDE	DU01V	144
DFU/2/BIANCO	DU02B	144
DFU/2/ROSSO	DU02R	144
DFU/2/VERDE	DU02V	144
DFU/3/BIANCO	DU03B	144
DFU/3/ROSSO	DU03R	144
DFU/3/VERDE	DU03V	144
DFU/4/BIANCO	DU04B	144
DFU/4/ROSSO	DU04R	144
DFU/4/VERDE	DU04V	144
DFU/5/BIANCO	DU05B	144
DFU/5/ROSSO	DU05R	144
DFU/5/VERDE	DU05V	144
DFU/6/BIANCO	DU06B	144
DFU/6/ROSSO	DU06R	144
DFU/6/VERDE	DU06V	144
DFU/7/BIANCO	DU07B	144
DFU/7/ROSSO	DU07R	144
DFU/7/VERDE	DU07V	144
DSFA.4	DA100	34
DSFA.4/GR	DA100GR	34
DSFA.4/L12	DA112	34
DSFA.4/L24	DA124	34
DSS.4	DS400	28
DSS.4	DS400	40
DSS.4/GR	DS400GR	28
DSS.4/GR	DS400GR	40
DSS/PT	DS301	125
DSS/PT/GR	DS301GR	125
EDM.10	ED400	96
EDM.10 (Ex)i	EI400	96
EDM.16	ED500	96
EDM.16 (Ex)i	EI500	96
EDM.2	ED110	95
EDM.2 (Ex)i	EI110	95
EDM.25	ED600	96
EDM.25 (Ex)i	EI600	96
EDM.35	ED700	97
EDM.35 (Ex)i	EI700	97
EDM.4	ED210	95

TYPE	CAT. NO.	PAGE
EDM.4 (Ex)i	EI210	95
EDM.6	ED310	95
EDM.6 (Ex)i	EI310	95
EDM.70	ED820	97
EDM.70 (Ex)i	EI810	97
EDM.70/BC	ED860	97
EDM/16/PT	ED501	125
EDM/16/PT (Ex)i	EI501	125
EDM/2/PT	ED111	125
EDM/2/PT (Ex)i	EI111	125
EDM/25/PT	ED601	125
EDM/25/PT (Ex)i	EI601	125
EDM/35/PT	ED701	125
EDM/35/PT (Ex)i	EI701	125
EDM/4-10/PT	ED401	125
EDM/4-10/PT (Ex)i	EI401	125
EDM/70/PT	ED801	125
EDM/70/PT (Ex)i	EI801	125
EDM2/PT	ED111	125
EDM2/PT (Ex)i	EI101	125
F5/1 A	FN006ST	143
F5/1,6 A	FN007ST	143
F5/10 A	FN015ST	143
F5/100 mA	FN001ST	143
F5/12 A	FN016ST	143
F5/2 A	FN008ST	143
F5/2,5 A	FN009ST	143
F5/200 mA	FN002ST	143
F5/3,15 A	FN010ST	143
F5/315 mA	FN003ST	143
F5/4 A	FN011ST	143
F5/5 A	FN012ST	143
F5/500 mA	FN004ST	143
F5/6,3 A	FN013ST	143
F5/630 mA	FN005ST	143
F5/8 A	FN014ST	143
FDP.2	FD100	53
FDP.2/GR	FD100GR	53
FDP/PT	FD101	125
FDP/PT/GR	FD101GR	125
FFS.4	FF100	29
FFS.4/GR	FF100GR	29
FFS/PT	FF101	125
FFS/PT/GR	FF101GR	125
FLD.10/D	FL500	105
FLD.10/F5	FL400	104
FLD.10/F5L	FL200	105
FLD.10/F6	FL300	105
FLD/PT	FL101	125
FPC.10	FP100	36
FPC.10	FP100	43
FPL.10/C	FP300	36
FPL.10/C115	FP915	38
FPL.10/C12	FP912	38
FPL.10/C230	FP923	38
FPL.10/C24	FP924	38
FPL.10/C48	FP948	38
FPL.10/L	FP200	36
FVS.4	FV100	29
FVS.4/GR	FV100GR	29
FVS/PT	FV101	125
FVS/PT/GR	FV101GR	125
FVS/VCE	FV108	154
FVS/VCI	FV107	154
GPA.150	GA200	7
GPA.150/FIX	GF200	7
GPA.150/GR	GA200GR	7
GPA.240	GA300	7
GPA.240/FIX	GF300	7
GPA.240/GR	GA300GR	7
GPA.70	GA400	6
GPA.70/FIX	GF400	6
GPA.70/GR	GA400GR	6
GPA.95	GA100	6
GPA.95/FIX	GF100	6
GPA.95/GR	GA100GR	6
GPM.150/BB	GP400	17
GPM.150/BB/FIX	GP410	17
GPM.150/BC	GP500	18
GPM.150/BC/FIX	GP510	18
GPM.150/CC	GP600	19
GPM.150/CC/FIX	GP610	19
GPM.240/BB	GP700	17
GPM.240/BB/FIX	GP710	17
GPM.240/BC	GP800	18

TYPE	CAT. NO.	PAGE
GPM.240/BC/FIX	GP810	18
GPM.240/CC	GP900	19
GPM.240/CC/FIX	GP910	19
GPM.95/BB	GP100	17
GPM.95/BB/FIX	GP110	17
GPM.95/BC	GP200	18
GPM.95/BC/FIX	GP210	18
GPM.95/CC	GP300	19
GPM.95/CC/FIX	GP310	19
HCD.1 (Ex)i	HC210	86
HCD.1/GR	HC200GR	86
HCD.1/PT/GR	HC201GR	125
HM.6/PT (Ex)i	HI321	125
HMD.1 (Ex)i	HD300	80
HMD.1/CI/GR	HD120GR	80
HMD.1/GR	HD200GR	80
HMD.1/PT (Ex)i	HD301	125
HMD.1/PT/GR	HD201GR	125
HMD.1/X/GR	HD130GR	81
HMD.2/GR	HD100GR	80
HMD.2/PT/GR	HD101GR	125
HMD.2N (Ex)i	HD410	80
HMD.2N/3DC/GR	HD430GR	81
HMD.2N/CI/GR	HD450GR	80
HMD.2N/DD/GR	HD420GR	81
HMD.2N/GR	HD400GR	80
HMD.2N/X/GR	HD440GR	81
HMD.2N/X1/GR	HD441GR	82
HMD/PT/GR	HD101GR	125
HMF.4/GR	HF110GR	85
HMF.4/L12/GR	HF212GR	85
HMF.4/L24/GR	HF224GR	85
HMF.4/L48/GR	HF248GR	85
HMF/PT/GR	HF111GR	125
HMFA.2/GR	HF300GR	84
HMM.1 (Ex)i	HI400	70
HMM.1/1+2 (Ex)i	HI410	70
HMM.1/1+2/GR	HM410GR	70
HMM.1/2+2 (Ex)i	HI420	70
HMM.1/2+2/GR	HM420GR	70
HMM.1/GR	HM400GR	70
HMM.10 (Ex)i	HI330	74
HMM.10/GR	HM330GR	74
HMM.16 (Ex)i	HI340	74
HMM.16/GR	HM340GR	74
HMM.2 (Ex)i	HI500	71
HMM.2/1+2 (Ex)i	HI520	71
HMM.2/1+2/GR	HM510GR	71
HMM.2/1+2/S/GR	HMS20GR	72
HMM.2/2+2 (Ex)i	HI510	71
HMM.2/2+2/A/GR	HM170GR	72
HMM.2/2+2/GR	HM520GR	71
HMM.2/2+2/S/GR	HMS10GR	72
HMM.2/GR	HM500GR	71
HMM.4 (Ex)i	HI250	73
HMM.4/1+2 (Ex)i	HI210	73
HMM.4/1+2/GR	HM210GR	73
HMM.4/2+2 (Ex)i	HI220	73
HMM.4/2+2/GR	HM220GR	73
HMM.4/GR	HM250GR	73
HMM.6 (Ex)i	HI310	74
HMM.6/GR	HM310GR	74
HMR.16/D/GR	HM360GR	75
HMR.16/GR	HM350GR	75
HMS.2/GR	HS200GR	83
HMT.1/1+2/PT	HM411	125
HMT.1/1+2/PT (Ex)i	HI411	125
HMT.1/1+2/PT/GR	HM411GR	125
HMT.1/2+2/PT	HM421	125
HMT.1/2+2/PT (Ex)i	HI421	125
HMT.1/2+2/PT/GR	HM421GR	125
HMT.1/PT	HM401	125
HMT.1/PT (Ex)i	HI401	125
HMT.1/PT/GR	HM401GR	125
HMT.2/1+2/PT	HM511	125
HMT.2/1+2/PT (Ex)i	HI511	125
HMT.2/1+2/PT/GR	HM511GR	125
HMT.2/2+2/PT	HM521	125
HMT.2/2+2/PT (Ex)i	HI521	125
HMT.2/2+2/PT/GR	HM521GR	125
HMT.2/PT	HM501	125
HMT.2/PT (Ex)i	HI501	125
HMT.2/PT/GR	HM501GR	125
HMT.4/PT	HM251	125
HMT.4/PT (Ex)i	HI251	125

Alphabetical index

TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE
HMT.4/PT/GR	HM251GR	125	MPS.2/SWP	MP710	39	PMP/42	PMP42	139
HMT.6/PT	HM321	125	MPS.2/SWP/GR	MP710GR	39	PMP/54	PMP54	139
HMT.6/PT/GR	HM321GR	125	MPS.4	MP950	40	PMP/55	PMP55	139
HP.2 (Ex)i	HI130	89	MPS.4/GR	MP950GR	40	PMP/56	PMP56	139
HP.2/GR	HP150GR	89	MPS.4/PT	MP901	125	PMP/58	PMP58	139
HP/PT (Ex)i	HP201	125	MPS.4/PT (Ex)i	MP902	125	POF/05	POF05	138
HP/PT/GR	HV101GR	125	MPS.4/SW (Ex)i	MP960	40	POF/06	POF06	138
HPC.2 (Ex)i	HI131	90	MPS.4/VS	MP930	40	POF/07	POF07	138
HPC.2/GR	HP160GR	90	MS/8x10/N	MZ300N	121	POF/08	POF08	138
HPP.2 (Ex)i	HI132	89	MS/8x10/T	MZ300T	121	POF/11	POF11	138
HPP.2/GR	HP170GR	89	MSM	FC103	147	POF/12	POF12	138
HPV/PT/GR	HV111GR	125	NCS	NC100	92	POF/13	POF13	138
HSCB.4/GR	HB100GR	83	NCS/PT	NC101	125	POF/14	POF14	138
HSCB.4/PT/GR	HB101GR	125	NCV	NC200	92	POF/150/2	PO152	138
HSCB.6/CPM	HB205	154	PDF.2	PF100	53	POF/150/3	PO153	138
HSCB.6/GR	HB200GR	83	PDF/PT	PF101	125	POF/17	POF17	138
HSCB.6/PT/GR	HB201GR	125	PDF/PT/GR	PF101GR	125	POF/20	POF20	138
HSCB.6/PO/2	HB203	154	PH/2,5-4	PH100	133	POF/240/2	PO242	138
HSCB.6/PO/4	HB204	154	PH/2,5-4	PH100	137	POF/240/3	PO243	138
HTE.1	HT400	76	PHD/2	PHD02	137	POF/44	POF44	138
HTE.1/1+2	HT410	76	PHM/2,5/4	PHM01	137	POF/53	POF53	138
HTE.1/2+2	HT420	76	PIL/2	PIL02	133	POF/54	POF54	138
HTE.10	HT330	79	PIL/3	PIL03	133	POF/55	POF55	138
HTE.16	HT340	79	PIL/4	PIL04	133	POF/56	POF56	138
HTE.2	HT500	77	PIL/8	PIL08	133	POF/57	POF57	138
HTE.2/1+2	HT510	77	PM/10/10	PM100	133	POF/70	POF70	138
HTE.2/2+2	HT520	77	PM/10/2	PM102	133	POF/95/2	PO952	138
HTE.4	HT250	78	PM/10/3	PM103	133	POF/95/3	PO953	138
HTE.4/1+2	HT260	78	PM/10/5	PM105	133	POF/99	POF99	138
HTE.4/2+2	HT270	78	PM/11/10	PM110	133	POS/04	POS04	140
HTE.6	HT310	79	PM/11/2	PM112	133	POS/07	POS07	140
HVPC.2/GR	HVP300GR	87	PM/11/3	PM113	133	POS/08	POS08	140
HVTE.2	HVT500	88	PM/11/5	PM115	133	POS/11	POS11	140
LSH/115	LS004	143	PM/12/10	PM120	133	POS/12	POS12	140
LSH/12	LS001	143	PM/12/2	PM122	133	POS/13	POS13	140
LSH/230	LS005	143	PM/12/3	PM123	133	POS/14	POS14	140
LSH/24	LS002	143	PM/12/5	PM125	133	POS/25	POS25	140
LSH/48	LS003	143	PM/20/10	PM210	133	POS/41	POS41	140
LSN	FL201	143	PM/20/2	PM202	133	POS/42	POS42	140
LSN	FL202	143	PM/20/3	PM203	133	POS/43	POS43	140
LSN	KITLSN/12-24	143	PM/20/5	PM205	133	POS/44	POS44	140
LSN	KITLSN/70-380	143	PM/25/10	PM250	133	POS/53	POS53	140
MAC.6	MA100	60	PM/25/2	PM252	133	POS/66	POS66	140
MAC.6/FS	MA410	60	PM/25/3	PM253	133	POS/72	POS72	140
MAC.6/N	MA200	60	PM/25/5	PM255	133	POS/91	POS91	140
MAC.6/VS	MA500	60	PM/30/10	PM310	133	POS/93	POS93	140
MAC/COS	MA030	61	PM/30/3	PM303	133	PR/2/AC	PR009	128
MAC/CP8	MA040	61	PM/30/5	PM305	133	PR/2/AC/ZB	PR009	128
MAC/PLZ	MA010	61	PM/40/10	PM400	133	PR/2/AS	PR010	128
MBL.120/10	MB300	22	PM/40/2	PM402	133	PR/2/AS/ZB	PR010	128
MBL.150/12	MB400	22	PM/40/3	PM403	133	PR/3/AC	PR003	127
MBL.50/6	MB100	21	PM/40/5	PM405	133	PR/3/AC/ZB	PR003	127
MBL.95/8	MB200	21	PM/41/10	PM410	133	PR/3/AS	PR005	127
MCM.1/B	MC201B	116	PM/41/2	PM412	133	PR/3/AS/ZB	PR005	127
MCM.1/G	MC201G	116	PM/41/3	PM413	133	PR/3/PA	PR006	127
MCM.1/R	MC201R	116	PM/41/5	PM415	133	PR/3/PA/ZB	PR006	127
MCM.2/B	MC202B	117	PM/51/10	PM510	133	PR/3/PP	PR007	127
MCM.2/G	MC202G	117	PM/51/3	PM513	133	PR/3/PP/ZB	PR007	127
MCM.2/R	MC202R	117	PM/51/5	PM515	133	PR/DIN/AC	PR001	128
MCM.3/B	MC203B	117	PM/60/10	PM610	133	PR/DIN/AC/ZB	PR001	128
MCM.3/G	MC203G	117	PM/60/2	PM602	133	PR/DIN/AL	PR002	128
MCM.3/R	MC203R	117	PM/60/3	PM603	133	PR/DIN/AS	PR004	128
MCM.3/VE/B	MC233B	120	PM/60/5	PM605	133	PR/DIN/AS/ZB	PR004	128
MCM.3/VE/G	MC233G	120	PM/90/10	PM900	133	PRP/5	PRP05	146
MCM.3/VE/R	MC233R	120	PM/90/2	PM902	133	PRP/6	PRP06	146
MCT.1/SA/B	MC401B	118	PM/90/3	PM903	133	PRP/7	PRP07	146
MCT.1/SA/G	MC401G	118	PM/90/5	PM905	133	PRP/7/G	PRP070G	147
MCT.1/SA/R	MC401R	118	PM/91/10	PM910	133	PRP/8	PRP08	146
MCT.2/SA/B	MC402B	119	PM/91/2	PM912	133	PRT/G	PRT03	145
MCT.2/SA/G	MC402G	119	PM/91/3	PM913	133	PRT/M	PRT02	145
MCT.2/SA/R	MC402R	119	PM/91/5	PM915	133	PRT/P	PRT01	145
MCT.3/SA/B	MC403B	119	PMP/01	PMP01	139	PSD/A	PD001	142
MCT.3/SA/G	MC403G	119	PMP/02	PMP02	139	PSD/B	PD002	142
MCT.3/SA/R	MC403R	119	PMP/04	PMP04	139	PSD/C	PD003	142
MPFA.4	MF100	34	PMP/05	PMP05	139	PSD/D	PD004	142
MPFA.4/GR	MF100GR	34	PMP/06	PMP06	139	PSD/E	PD005	142
MPFA.4/L12	MF112	34	PMP/07	PMP07	139	PSD/J	PD014	142
MPFA.4/L24	MF124	34	PMP/08	PMP08	139	PSD/K	PD011	142
MPS.2/PT	MP121	125	PMP/12	PMP12	139	PSD/L	PD009	142
MPS.2/PT (Ex)i	MP131	125	PMP/13	PMP13	139	PSD/N	PD013	142
MPS.2/PT/GR	MP121GR	125	PMP/14	PMP14	139	PSD/O	PD017	142
MPS.2/SV	MP220	39	PMP/16	PMP16	139	PSD/P	PD015	142
MPS.2/SW	MP120	39	PMP/17	PMP17	139	PTC/1/00	PTC0100	134
MPS.2/SW (Ex)i	MP130	39	PMP/20	PMP20	139	PTC/1/02	PTC0102	134
MPS.2/SW/GR	MP120GR	39	PMP/25	PMP25	139	PTC/1/03	PTC0103	134

Alphabetical index

TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE
PTC/1/05	PTC0205	134	SCB/6/PT	SB201	125	SFR.6/M/GR	SR500GR	42
PTC/1/10	PTC0110	134	SCB/6/PT/GR	SB201GR	125	SFR.6/PT	SR301	125
PTC/10/00	PTC1000	134	SCF/PT	FC101	125	SFR.6/PT (Ex)i	SR401	125
PTC/10/02	PTC1002	134	SCX.10	SC100	102	SFR/11A	SF992	46
PTC/10/03	PTC1003	134	SCX.10-CD	SC120	103	SFR/13A	SF993	46
PTC/10/10	PTC1010	134	SCX.10-PI	SC200	103	SFR/PT	SF701	125
PTC/11/00	PTC1100	134	SCX.10/DD	SC110	102	SFR/PT (Ex)i	SF801	125
PTC/11/02	PTC1102	134	SCX.10/O	SC400	102	SH4/PT	DH401	141
PTC/11/03	PTC1103	134	SCX.10/O-CD	SC220	103	SH5/PT	DH501	141
PTC/11/05	PTC1105	134	SCX.10/O-DD	SC210	102	SH6/PT	DH601	141
PTC/11/10	PTC1110	134	SCX.10/O/PI	SC500	103	SH7/PT	DH701	141
PTC/16/00	PTC1600	134	SCX.10/PI/CD	SC230	103	SHZ/1/00	SH004	153
PTC/16/02	PTC1602	134	SCX.10/PI/DD	SC240	103	SHZ/1/10	SH410	153
PTC/16/03	PTC1603	134	SCX/CPM	SC105	154	SHZ/1/11	SH411	153
PTC/16/05	PTC1605	134	SCX/PO/2	SC103	154	SHZ/1/19	SH419	153
PTC/16/10	PTC1610	134	SCX/PO/4	SC104	154	SHZ/1/21	SH421	153
PTC/2/00	PTC0200	134	SCX/PT	SC101	125	SHZ/1/31	SH431	153
PTC/2/02	PTC0202	134	SD5/PT	DD501	141	SHZ/1/41	SH441	153
PTC/2/03	PTC0203	134	SD6/PT	DD601	141	SHZ/1/51	SH451	153
PTC/2/05	PTC0205	134	SDC/5	DC005	141	SHZ/1/61	SH461	153
PTC/2/10	PTC0210	134	SDC/5P	DC05P	141	SHZ/1/71	SH471	153
PTC/20/00	PTC2000	134	SDC/5V	DC05V	141	SHZ/1/81	SH481	153
PTC/20/02	PTC2002	134	SDC/6	DC006	141	SHZ/1/91	SH491	153
PTC/20/03	PTC2003	134	SDC/6P	DC06P	141	SHZ/1/AA	SH4AA	153
PTC/20/05	PTC2005	134	SDC/6V	DC06V	141	SHZ/1/BB	SH4BB	153
PTC/20/10	PTC2010	134	SDC/POL	DCPOL	141	SHZ/1/CC	SH4CC	153
PTC/3/00	PTC0300	134	SDD/1	DD001	142	SHZ/1/DD	SH4DD	153
PTC/3/02	PTC0302	134	SDD/2	DD002	142	SHZ/1/EE	SH4EE	153
PTC/3/03	PTC0303	134	SDD/5	DD005	141	SHZ/1/FF	SH4FF	153
PTC/3/05	PTC0305	134	SDD/6	DD006	141	SHZ/1/G1	SH4G1	153
PTC/3/10	PTC0310	134	SDH/4	DH004	141	SHZ/1/G2	SH4G2	153
PTC/4/00	PTC0400	134	SDH/4P	DH04P	141	SHZ/1/G3	SH4G3	153
PTC/4/02	PTC0402	134	SDH/5	DH005	141	SHZ/1/G4	SH4G4	153
PTC/4/03	PTC0403	134	SDH/6	DH006	141	SHZ/1/G5	SH4G5	153
PTC/4/05	PTC0405	134	SDH/7	DH007	141	SHZ/1/G6	SH4G6	153
PTC/4/10	PTC0410	134	SDH/7P	DH07P	141	SHZ/1/G7	SH4G7	153
PTC/5/00	PTC0500	134	SDN/D	SD200	120	SHZ/1/G8	SH4G8	153
PTC/5/02	PTC0502	134	SDN/H	SD300	120	SHZ/1/G9	SH4G9	153
PTC/5/03	PTC0503	134	SFC.10	FC100	104	SHZ/1/GG	SH4GG	153
PTC/5/05	PTC0505	134	SFC/CO	FC102	154	SHZ/1/HH	SH4HH	153
PTC/5/10	PTC0510	134	SFL.10	FC200	104	SHZ/1/II	SH4II	153
PTC/6/00	PTC0600	134	SFO.4	SF400	32	SHZ/1/JJ	SH4JJ	153
PTC/6/02	PTC0602	134	SFO.4	SF400	42	SHZ/1/KK	SH4KK	153
PTC/6/03	PTC0603	134	SFO.4 (Ex)i	SF600	32	SHZ/1/L1	SH4L1	153
PTC/6/05	PTC0605	134	SFO.4 (Ex)i	SF600	42	SHZ/1/L2	SH4L2	153
PTC/6/10	PTC0610	134	SFO.4/C115	SF815	38	SHZ/1/L3	SH4L3	153
PTC/8/00	PTC0800	134	SFO.4/C12	SF812	38	SHZ/1/LL	SH4LL	153
PTC/8/02	PTC0802	134	SFO.4/C230	SF823	38	SHZ/1/MM	SH4MM	153
PTC/8/03	PTC0803	134	SFO.4/C24	SF824	38	SHZ/1/NN	SH4NN	153
PTC/8/05	PTC0805	134	SFO.4/C48	SF848	38	SHZ/1/OO	SH4OO	153
PTC/8/10	PTC0810	134	SFO.4/VS	SF410	33	SHZ/1/PE	SH4PE	153
PTC/SP	PTC0990	135	SFO.4/VS	SF410	42	SHZ/1/PEN	SH4PEN	153
PZD.4/SO	PZ331	146	SFO/PT	SF401	125	SHZ/1/PP	SH4PP	153
PZD.6/SO	PZ112	146	SFO/PT (Ex)i	SF601	125	SHZ/1/QQ	SH4QQ	153
PZM.4	PZ330	146	SFR.4	SF900	32	SHZ/1/RR	SH4RR	153
PZM.6	PZ110	146	SFR.4	SF900	41	SHZ/1/SS	SH4SS	153
R			SFR.4	SF900	46	SHZ/1/T1	SH4T1	153
RFI.2/GR	RF110GR	63	SFR.4 (Ex)i	SF850	32	SHZ/1/T2	SH4T2	153
RFN/PT	RF101	125	SFR.4 (Ex)i	SF850	41	SHZ/1/T3	SH4T3	153
RFN/PT (Ex)i	RF201	125	SFR.4 (Ex)i	SF850	46	SHZ/1/TT	SH4TT	153
RFN/PT/GR	RF101GR	125	SFR.4/C115	SF915	37	SHZ/1/U1	SH4U1	153
RN.1 (Ex)i	RN400	62	SFR.4/C12	SF912	37	SHZ/1/U2	SH4U2	153
RN.1/GR	RN300GR	62	SFR.4/C230	SF923	37	SHZ/1/U3	SH4U3	153
RN.2 (Ex)i	RN510	62	SFR.4/C24	SF924	37	SHZ/1/UU	SH4UU	153
RN.2/GR	RN500GR	62	SFR.4/C48	SF948	37	SHZ/1/V1	SH4V1	153
RP.4 (Ex)i	RP400	62	SFR.4/D1A	SF901	47	SHZ/1/V2	SH4V2	153
RP.4/GR	RP300GR	62	SFR.4/D3A	SF903	47	SHZ/1/VV	SH4VV	153
RP.4/PT	RP301	125	SFR.4/GR	SF900GR	46	SHZ/1/W1	SH4W1	153
RP.4/PT (Ex)i	RP401	125	SFR.4/GR	SF900GR	32	SHZ/1/W2	SH4W2	153
S			SFR.4/GR	SF900GR	41	SHZ/1/WW	SH4WW	153
RP.4/PT/GR	RP301GR	125	SFR.4/PT/GR	SF701GR	125	SHZ/1/XX	SH4XX	153
SCB.4	SB300	43	SFR.4/VS	SF910	33	SHZ/1/YY	SH4YY	153
SCB.4/GR	SB300GR	43	SFR.4/VS	SF910	41	SHZ/1/ZZ	SH4ZZ	153
SCB.6	SB200	45	SFR.4/VS/GR	SF910GR	33	SHZ/2/00	SH001	153
SCB.6/CD	SB220	45	SFR.6	SR300	33	SHZ/2/10	SH110	153
SCB.6/CD/GR	SB220GR	45	SFR.6	SR300	43	SHZ/2/11	SH111	153
SCB.6/DD	SB210	45	SFR.6 (Ex)i	SR400	33	SHZ/2/19	SH119	153
SCB.6/DD/GR	SB210GR	45	SFR.6 (Ex)i	SR400	43	SHZ/2/21	SH121	153
SCB.6/GR	SB200GR	45	SFR.6/GR	SR300GR	43	SHZ/2/31	SH131	153
SCB.4/CPM	SB305	154	SFR.6/GR	SR300GR	33	SHZ/2/41	SH141	153
SCB.4/PO/2	SB303	154	SFR.6/M	SR500	32	SHZ/2/51	SH151	153
SCB.4/PO/4	SB304	154	SFR.6/M	SR500	42	SHZ/2/61	SH161	153
SCB.4/PT	SB301	125	SFR.6/M (Ex)i	SR600	32	SHZ/2/71	SH171	153
SCB.4/PT/GR	SB301GR	125	SFR.6/M (Ex)i	SR600	42	SHZ/2/81	SH181	153
SCB.6/CPM	SB205	154	SFR.6/M/GR	SR500GR	32	SHZ/2/91	SH191	153
SCB.6/PO/2	SB203	154						
SCB.6/PO/4	SB204	154						

Alphabetical index

TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE
SHZ/2/AA	SH1AA	153	SHZ/4/LL	SH2LL	153	SHZ/6/WW	SH3WW	153
SHZ/2/BB	SH1BB	153	SHZ/4/MM	SH2MM	153	SHZ/6/XX	SH3XX	153
SHZ/2/CC	SH1CC	153	SHZ/4/NN	SH2NN	153	SHZ/6/YY	SH3YY	153
SHZ/2/DD	SH1DD	153	SHZ/4/OO	SH2OO	153	SHZ/6/ZZ	SH3ZZ	153
SHZ/2/EE	SH1EE	153	SHZ/4/PE	SH2PE	153	SNZ/10/00	SN005	152
SHZ/2/FF	SH1FF	153	SHZ/4/PEN	SH2PEN	153	SNZ/10/10	SN510	152
SHZ/2/G1	SH1G1	153	SHZ/4/PP	SH2PP	153	SNZ/10/11	SN511	152
SHZ/2/G2	SH1G2	153	SHZ/4/QQ	SH2QQ	153	SNZ/10/19	SN519	152
SHZ/2/G3	SH1G3	153	SHZ/4/RR	SH2RR	153	SNZ/10/21	SN521	152
SHZ/2/G4	SH1G4	153	SHZ/4/SS	SH2SS	153	SNZ/10/31	SN531	152
SHZ/2/G5	SH1G5	153	SHZ/4/T1	SH2T1	153	SNZ/10/41	SN541	152
SHZ/2/G6	SH1G6	153	SHZ/4/T2	SH2T2	153	SNZ/10/51	SN551	152
SHZ/2/G7	SH1G7	153	SHZ/4/T3	SH2T3	153	SNZ/10/61	SN561	152
SHZ/2/G8	SH1G8	153	SHZ/4/TT	SH2TT	153	SNZ/10/71	SN571	152
SHZ/2/G9	SH1G9	153	SHZ/4/U1	SH2U1	153	SNZ/10/81	SN581	152
SHZ/2/GG	SH1GG	153	SHZ/4/U2	SH2U2	153	SNZ/10/91	SN591	152
SHZ/2/HH	SH1HH	153	SHZ/4/U3	SH2U3	153	SNZ/4/00	SN008	152
SHZ/2/II	SH1II	153	SHZ/4/UU	SH2UU	153	SNZ/4/10	SN810	152
SHZ/2/JJ	SH1JJ	153	SHZ/4/V1	SH2V1	153	SNZ/4/11	SN811	152
SHZ/2/KK	SH1KK	153	SHZ/4/V2	SH2V2	153	SNZ/4/19	SN819	152
SHZ/2/L1	SH1L1	153	SHZ/4/VV	SH2VV	153	SNZ/4/21	SN821	152
SHZ/2/L2	SH1L2	153	SHZ/4/W1	SH2W1	153	SNZ/4/31	SN831	152
SHZ/2/L3	SH1L3	153	SHZ/4/W2	SH2W2	153	SNZ/4/41	SN841	152
SHZ/2/LL	SH1LL	153	SHZ/4/XX	SH2XX	153	SNZ/4/51	SN851	152
SHZ/2/MM	SH1MM	153	SHZ/4/YY	SH2YY	153	SNZ/4/61	SN861	152
SHZ/2/NN	SH1NN	153	SHZ/4/ZZ	SH2ZZ	153	SNZ/4/71	SN871	152
SHZ/2/OO	SH1OO	153	SHZ/4/WW	SH2WW	153	SNZ/4/81	SN881	152
SHZ/2/PE	SH1PE	153	SHZ/6/00	SH003	153	SNZ/4/91	SN891	152
SHZ/2/PEN	SH1PEN	153	SHZ/6/10	SH310	153	SNZ/5/00	SN001	152
SHZ/2/PP	SH1PP	153	SHZ/6/11	SH311	153	SNZ/5/10	SN110	152
SHZ/2/QQ	SH1QQ	153	SHZ/6/19	SH319	153	SNZ/5/11	SN111	152
SHZ/2/RR	SH1RR	153	SHZ/6/21	SH321	153	SNZ/5/19	SN119	152
SHZ/2/SS	SH1SS	153	SHZ/6/31	SH331	153	SNZ/5/21	SN121	152
SHZ/2/T1	SH1T1	153	SHZ/6/41	SH341	153	SNZ/5/31	SN131	152
SHZ/2/T2	SH1T2	153	SHZ/6/51	SH351	153	SNZ/5/41	SN141	152
SHZ/2/T3	SH1T3	153	SHZ/6/61	SH361	153	SNZ/5/51	SN151	152
SHZ/2/TT	SH1TT	153	SHZ/6/71	SH371	153	SNZ/5/61	SN161	152
SHZ/2/U1	SH1U1	153	SHZ/6/81	SH381	153	SNZ/5/71	SN171	152
SHZ/2/U2	SH1U2	153	SHZ/6/91	SH391	153	SNZ/5/81	SN181	152
SHZ/2/U3	SH1U3	153	SHZ/6/AA	SH3AA	153	SNZ/5/91	SN191	152
SHZ/2/UU	SH1UU	153	SHZ/6/BB	SH3BB	153	SNZ/508/00	SN009	152
SHZ/2/V1	SH1V1	153	SHZ/6/CC	SH3CC	153	SNZ/508/10	SN910	152
SHZ/2/V2	SH1V2	153	SHZ/6/DD	SH3DD	153	SNZ/508/11	SN911	152
SHZ/2/VV	SH1VV	153	SHZ/6/EE	SH3EE	153	SNZ/508/19	SN919	152
SHZ/2/W1	SH1W1	153	SHZ/6/FF	SH3FF	153	SNZ/508/21	SN921	152
SHZ/2/W2	SH1W2	153	SHZ/6/G1	SH3G1	153	SNZ/508/31	SN931	152
SHZ/2/WW	SH1WW	153	SHZ/6/G2	SH3G2	153	SNZ/508/41	SN941	152
SHZ/2/XX	SH1XX	153	SHZ/6/G3	SH3G3	153	SNZ/508/51	SN951	152
SHZ/2/YY	SH1YY	153	SHZ/6/G4	SH3G4	153	SNZ/508/61	SN961	152
SHZ/2/ZZ	SH1ZZ	153	SHZ/6/G5	SH3G5	153	SNZ/508/71	SN971	152
SHZ/4/00	SH002	153	SHZ/6/G6	SH3G6	153	SNZ/508/81	SN981	152
SHZ/4/10	SH210	153	SHZ/6/G7	SH3G7	153	SNZ/508/91	SN991	152
SHZ/4/11	SH211	153	SHZ/6/G8	SH3G8	153	SNZ/60/00	SN007	152
SHZ/4/19	SH219	153	SHZ/6/G9	SH3G9	153	SNZ/60/10	SN710	152
SHZ/4/21	SH221	153	SHZ/6/GG	SH3GG	153	SNZ/60/11	SN711	152
SHZ/4/31	SH231	153	SHZ/6/HH	SH3HH	153	SNZ/60/19	SN719	152
SHZ/4/41	SH241	153	SHZ/6/II	SH3II	153	SNZ/60/21	SN721	152
SHZ/4/51	SH251	153	SHZ/6/JJ	SH3JJ	153	SNZ/60/31	SN731	152
SHZ/4/61	SH261	153	SHZ/6/KK	SH3KK	153	SNZ/60/41	SN741	152
SHZ/4/71	SH271	153	SHZ/6/L1	SH3L1	153	SNZ/60/51	SN751	152
SHZ/4/81	SH281	153	SHZ/6/L2	SH3L2	153	SNZ/60/61	SN761	152
SHZ/4/91	SH291	153	SHZ/6/L3	SH3L3	153	SNZ/60/71	SN771	152
SHZ/4/AA	SH2AA	153	SHZ/6/LL	SH3LL	153	SNZ/60/81	SN781	152
SHZ/4/BB	SH2BB	153	SHZ/6/MM	SH3MM	153	SNZ/60/91	SN791	152
SHZ/4/CC	SH2CC	153	SHZ/6/NN	SH3NN	153	SNZ/65/00	SN006	152
SHZ/4/DD	SH2DD	153	SHZ/6/OO	SH3OO	153	SNZ/65/10	SN610	152
SHZ/4/EE	SH2EE	153	SHZ/6/PE	SH3PE	153	SNZ/65/11	SN611	152
SHZ/4/FF	SH2FF	153	SHZ/6/PEN	SH3PEN	153	SNZ/65/19	SN619	152
SHZ/4/G1	SH2G1	153	SHZ/6/PP	SH3PP	153	SNZ/65/21	SN621	152
SHZ/4/G2	SH2G2	153	SHZ/6/QQ	SH3QQ	153	SNZ/65/31	SN631	152
SHZ/4/G3	SH2G3	153	SHZ/6/RR	SH3RR	153	SNZ/65/41	SN641	152
SHZ/4/G4	SH2G4	153	SHZ/6/SS	SH3SS	153	SNZ/65/51	SN651	152
SHZ/4/G5	SH2G5	153	SHZ/6/T1	SH3T1	153	SNZ/65/61	SN661	152
SHZ/4/G6	SH2G6	153	SHZ/6/T2	SH3T2	153	SNZ/65/71	SN671	152
SHZ/4/G7	SH2G7	153	SHZ/6/T3	SH3T3	153	SNZ/65/81	SN681	152
SHZ/4/G8	SH2G8	153	SHZ/6/TT	SH3TT	153	SNZ/65/91	SN691	152
SHZ/4/G9	SH2G9	153	SHZ/6/U1	SH3U1	153	SNZ/7/00	SN003	152
SHZ/4/GG	SH2GG	153	SHZ/6/U2	SH3U2	153	SNZ/7/10	SN310	152
SHZ/4/HH	SH2HH	153	SHZ/6/U3	SH3U3	153	SNZ/7/11	SN311	152
SHZ/4/II	SH2II	153	SHZ/6/UU	SH3UU	153	SNZ/7/19	SN319	152
SHZ/4/JJ	SH2JJ	153	SHZ/6/V1	SH3V1	153	SNZ/7/21	SN321	152
SHZ/4/KK	SH2KK	153	SHZ/6/V2	SH3V2	153	SNZ/7/31	SN331	152
SHZ/4/L1	SH2L1	153	SHZ/6/VV	SH3VV	153	SNZ/7/41	SN341	152
SHZ/4/L2	SH2L2	153	SHZ/6/W1	SH3W1	153	SNZ/7/51	SN351	152
SHZ/4/L3	SH2L3	153	SHZ/6/W2	SH3W2	153	SNZ/7/61	SN361	152

Alphabetical index

TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE	TYPE	CAT. NO.	PAGE
SNZ/7/71	SN371	152	TQM/14	TQM14	147	WPF10040/R	WPF5013	159
SNZ/7/81	SN381	152	TQM/15	TQM15	147	WPF10050/R	WPF5014	159
SNZ/7/91	SN391	152	TR.2	TR110	63	WPF10060R	WPF5015	159
SNZ/8/00	SN004	152	TR.2/PT	TR111	125	WPF15030/R	WPF5016	159
SNZ/8/10	SN410	152	TR.4	TR200	63	WPF15035/R	WPF5017	159
SNZ/8/11	SN411	152	TSA/10	TSA10	155	WPF15040/R	WPF5018	159
SNZ/8/19	SN419	152	TSA/12	TSA12	155	WPF15050/R	WPF5019	159
SNZ/8/21	SN421	152	TSA/3	TSA03	155	WPF15060/R	WPF5020	159
SNZ/8/31	SN431	152	TSA/6	TSA06	155	WPF25030/B	WPF5021	159
SNZ/8/41	SN441	152	TTM/04	TTM04	147	WPF25035/B	WPF5022	159
SNZ/8/51	SN451	152	TTM/12	TTM12	147	WPF25040/B	WPF5023	159
SNZ/8/61	SN461	152	TTM/13	TTM13	147	WPF25050/B	WPF5024	159
SNZ/8/71	SN471	152	TTM/14	TTM14	147	WPF25060/B	WPF5025	159
SNZ/8/81	SN481	152	TTM/15	TTM15	147	WPF40040/Y	WPF5026	159
SNZ/8/91	SN491	152	TTN.35	TT300	25	WPF40050/Y	WPF5027	159
SV.10	SV400	100	TUM/05	TUM05	147	WPF40060/Y	WPF5028	159
SV.10 (Ex)i	SI400	100	TUM/06	TUM06	147	WPF40080/Y	WPF5029	159
SV.2	SV100	99	TUM/07	TUM07	147	WPF5030/R	WPF5001	159
SV.2 (Ex)i	SI100	99	TUM/08	TUM08	147	WPF5035/R	WPF5002	159
SV.4	SV200	99	TUM/16	TUM16	147	WPF5040/R	WPF5003	159
SV.4 (Ex)i	SI200	99	UMCT	UMCT3149	156	WPF5050/R	WPF5004	159
SV.6	SV300	100	UMPI1525	UMCT3129	156	WPF5060/R	WPF5005	159
SV.6 (Ex)i	SI300	100	UMPI4060	UMCT3128	156	WPF60040/Y	WPF5030	159
SV/10/PT	SV401	125	UMPU02510	UMCT3127	156	WPF60050/Y	WPF5031	159
SV/10/PT (Ex)i	SI401	125	UMPU1625	UMCT3153	156	WPF60060/Y	WPF5032	159
SV/2/PT	SV101	125	UMPU3550	UMCT3154	156	WPF60080/Y	WPF5033	159
SV/2/PT (Ex)i	SI101	125	VL.16	VL300	106	WPF7530/R	WPF5006	159
SV/4/PT	SV201	125	VL.16/O	VL500	107	WPF7535/R	WPF5007	159
SV/4/PT (Ex)i	SI201	125	VL.16/O-M	VL520	107	WPF7540/R	WPF5008	159
SV/6/PT	SV301	125	VL.16/O-R	VL510	107	WPF7550/R	WPF5009	159
SV/6/PT (Ex)i	SI301	125	VLM.10	VL200	106	WPF7560/R	WPF5010	159
TAI/12	TA002	147	VLM.10/O	VL400	106	WPO10030/R	WPO4013	158
TAI/6	TA001	147	VLM/PT	VL201	125	WPO10035/R	WPO4014	158
TC/DIN	TC110	108	VPC.2	VP300	58	WPO10040/R	WPO4015	158
TC/DIN (Ex)i	TC210	108	VPC.2 (Ex)i	VP310	58	WPO10050/R	WPO4016	158
TC/PO	TC500	57	VPC.2 (Ex)i/D	VP400	58	WPO10060/R	WPO4017	158
TC/PO (Ex)i	TC510	57	VPC.2/GR	VP300GR	58	WPO10080/R	WPO4018	158
TDE.2	TL500	31	VPC.2/GV	VP320	58	WPO150100/R	WPO4025	158
TDE.2/GR	TL500GR	31	VPC/F02	VP902	58	WPO15030/R	WPO4019	158
TE.10/D	TE500	24	VPC/F03	VP903	58	WPO15035/R	WPO4020	158
TE.10/O	TO500	24	VPC/F04	VP904	58	WPO15040R	WPO4021	158
TE.16/D	TE210	25	VPC/F05	VP905	58	WPO15050/R	WPO4022	158
TE.16/O	TO210	25	VPC/F06	VP906	58	WPO150600/R	WPO4023	158
TE.50/D	TE310	25	VPC/F07	VP907	58	WPO15080/R	WPO4024	158
TE.50/O	TO310	25	VPC/F08	VP908	58	WPO250100/B	WPO4032	158
TE.6/D	TE110	24	VPC/F09	VP909	58	WPO25030/B	WPO4026	158
TE.6/O	TO110	24	VPC/F10	VP910	58	WPO25035/B	WPO4027	158
TEC.10/D	TE510	8	VPC/F11	VP911	58	WPO25040/B	WPO4028	158
TEC.10/O	TO510	8	VPC/F12	VP912	58	WPO25050/B	WPO4029	158
TEC.16/D	TE220	8	VPC/F13	VP913	58	WPO25060/B	WPO4030	158
TEC.16/O	TO220	8	VPC/F14	VP914	58	WPO25080/B	WPO4031	158
TEC.35/D	TE320	9	VPC/F15	VP915	58	WPO4001000/Y	WPO4037	158
TEC.35/O	TO320	9	VPC/F16	VP916	58	WPO400120/Y	WPO4038	158
TEC.6/D	TE120	8	VPC/PT	VP101	125	WPO40040/Y	WPO4033	158
TEC.6/O	TO120	8	VPC/PT	VP101	58	WPO40050/Y	WPO4034	158
TEC.70/D	TE820	9	VPC/PT (Ex)i	VP201	125	WPO40060/Y	WPO4035	158
TEC.70/O	TO510	9	VPC/PT/GR	VP101GR	125	WPO40080/Y	WPO4036	158
TED.4	TE400	24	VPC/PTF	VP303	58	WPO5030/Y	WPO4001	158
TEO.2	TO910	23	VPC/VT	VP102	58	WPO5035/Y	WPO4002	158
TEO.2/PT	TO901	125	VPD.2	VP500	59	WPO5040/Y	WPO4003	158
TEO.4	TO430	23	VPD.2 (Ex)i	VP560	59	WPO5050/Y	WPO4004	158
TEO.4/PT	TO431	125	VPD.2/GR	VP500GR	59	WPO5060/R	WPO4005	158
TIM	TIM02	155	VPD/PT	VP501	125	WPO5080/R	WPO4006	158
TLD.2	TL200	31	VPD/PT (Ex)i	VP561	125	WPO600100/Y	WPO4043	158
TLD.2 (Ex)i	TL300	31	VPD/PT/GR	VP501GR	125	WPO600120/Y	WPO4044	158
TLD.2/GR	TL200GR	31	WP1-14	WP30009	157	WPO60040/Y	WPO4039	158
TLD/PT	TL201	125	WP100-21	WP30024	157	WPO60050/Y	WPO4040	158
TLD/PT (Ex)i	TL301	125	WP15-14	WP30013	157	WPO60060/Y	WPO4041	158
TLD/PT/GR	TL201GR	125	WP160-22	WP30026	157	WPO60080/Y	WPO4042	158
TLE.2	TL400	31	WP25-14	WP30016	157	WPO7530/R	WPO4007	158
TLE.2/GR	TL400GR	31	WP250-29	WP30028	157	WPO7535/R	WPO4008	158
TLS.2	TL100	30	WP350-30	WP30030	157	WPO7540/R	WPO4009	158
TLS.2/GR	TL100GR	30	WP40-16	WP30019	157	WPO7550/R	WPO4010	158
TLS.2/T	TL120	30	WP5-14	WP30002	157	WPO7560/R	WPO4011	158
TLS.2/U	TL110	30	WP500-40	WP30032	157	WPO7580/R	WPO4012	158
TLS/PT	TL101	125	WP60-20	WP30022	157			
TLS/PT/GR	TL101GR	125	WP75-14	WP30005	157			
TPL.4	TP100	65	WPD01/15	WP90003	157			
TPL.4/PS	TP200	66	WPD04/23	WP90006	157			
TPL.4/PS/A	TP210	66	WPD05/15	WP90001	157			
TPL.4/PS/B	TP220	66	WPD15/16	WP90004	157			
TQM/02	TQM02	147	WPD25/18	WP90005	157			
TQM/04	TQM04	147	WPD75/15	WP90002	157			
TQM/12	TQM12	147	WPF10030/R	WPF5011	159			
TQM/13	TQM13	147	WPF10035/R	WPF5012	159			

Index by Catalogue number

CAT. NO.	TYPE	PAGE
A		
AC100	ACB.70/BB	20
AC400	ACB.120/BB	20
AC700	ACB.185/BB	20
AF201	AFO/PT	125
AF400	AFO.2/2+2	52
AF410	AFO.2/2+2/TP	52
AF420	AFO.2/2+2/TPM	52
B		
AF500	AFO.2/1+1	52
BP100	BPL.4	65
BP200	BPL.R	65
BP300	BPL.4/PS	66
BP310	BPL.4/PS/A	66
BP320	BPL.4/PS/B	66
BT001	BT/DIN/PO	126
BT003	BT/3	126
BT005	BTU	126
BT006	BT/2	126
C		
BT007	BTO	126
CB009	CBD/SH	154
CB061	CBC.2-10/PT	125
CB061GR	CBC.2-10/PT/GR	125
CB110	CBD.2	13
CB111	CB2/PT	125
CB161	CBC.16/PT	125
CB161GR	CBC.16/PT/GR	125
CB240	CBD.4	13
CB241	CB4/6/PT	125
CB340	CBD.6	13
CB351	CBC.35/PT	125
CB351GR	CBC.35/PT/GR	125
CB431	CB10/PT	125
CB440	CBD.10	14
CB510	CBD.16	14
CB511	CB16/PT	125
CB610	CBD.35	14
CB611	CB35/PT	125
CB710	CBD.50	15
CB711	CB50/PT	125
CB810	CBD.70	15
CB811	CB70/PT	125
CBC02	CBC.2	3
CBC02GR	CBC.2/GR	3
CBC04	CBC.4	3
CBC04GR	CBC.4/GR	3
CBC06	CBC.6	3
CBC06GR	CBC.6/GR	3
CBC10	CBC.10	4
CBC10GR	CBC.10/GR	4
CBC16	CBC.16	4
CBC16GR	CBC.16/GR	4
CBC35	CBC.35	4
CBC35GR	CBC.35/GR	4
CBI02	CBC.2 (Ex)i	3
CBI04	CBC.4 (Ex)i	3
CBI06	CBC.6 (Ex)i	3
CBI061	CBC.2-10/PT (Ex)i	125
CBI10	CBC.10 (Ex)i	4
CBI16	CBC.16 (Ex)i	4
CBI161	CBC.16/PT (Ex)i	125
CBI35	CBC.35 (Ex)i	4
CBI351	CBC.35/PT (Ex)i	125
CBX112	CBD.2 (Ex)i	13
CBX13	CB2/PT (Ex)i	125
CBX24	CBD.4 (Ex)i	13
CBX25	CB4/6/PT (Ex)i	125
CBX34	CBD.6 (Ex)i	13
CBX44	CB10/PT (Ex)i	125
CBX45	CBD.10 (Ex)i	14
CBX52	CBD.16 (Ex)i	14
CBX53	CB16/PT (Ex)i	125
CBX62	CBD.35 (Ex)i	14
CBX63	CB35/PT (Ex)i	125
CBX72	CBD.50 (Ex)i	15
CBX73	CB50/PT (Ex)i	125
CBX82	CBD.70 (Ex)i	15
CBX83	CB70/PT (Ex)i	125
CCH02	CCH/2,5-4	156
CCH06	CCH/6	156
CCV03	CCV/2,5	156
CCV04	CCV/4	156
CCV05	CCV/5	156
CD003	CDA/BT	126
CD100	CDA.70/BB	114
CD101	CDA.70/PT	125
CD200	CDA.70/BC	113

CAT. NO.	TYPE	PAGE
CD300	CDA.70/CC	112
CD400	CDA.120/BB	114
CD401	CDA.120/PT	125
CD500	CDA.120/BC	113
CD600	CDA.120/CC	112
CD701	CDA.185/PT	125
CD710	CDA.185/BB	114
CD810	CDA.185/BC	113
CD910	CDA.185/CC	112
CE110	CBE.2	23
CF100	CF.12/1+1	55
CF200	CF.12/2+2	56
CF301	CF/PTM	55
CF400	CF.08/2+2	56
CF900	CF.12/CPT	55
CFA10	CF.12/1+1/AG	55
CFW90	CF.12/FW/CPT	55
CFW99	CF.12/FW/CPT (Ex)i	55
CFX10	CF.12/1+1 (Ex)i	55
CFX90	CF.12/CPT (Ex)i	55
CNT06	CNT.6	67
CNT16	CNT.16	67
CNT35	CNT.35	67
CPF05	CPF/5	35
CPF05	CPF/5	84
CPM01	CPM/01	139
CPM03	CPM/03	139
CPM05	CPM/05	139
CPM06	CPM/06	139
CPM07	CPM/07	139
CPM08	CPM/08	139
CPM11	CPM/11	139
CPM12	CPM/12	139
CPM13	CPM/13	139
CPM14	CPM/14	139
CPM16	CPM/16	139
CPM17	CPM/17	139
CPM20	CPM/20	139
CPM21	CPM/21	139
CPM25	CPM/25	139
CPM44	CPM/44	139
CPM53	CPM/53	139
CPM56	CPM/56	139
CPM57	CPM/57	139
CPM70	CPM/70	139
CPM83	CPM/83	139
CPM99	CPM/99	139
CPX01	CPX/01	139
CPX03	CPX/03	139
CPX05	CPX/05	139
CPX06	CPX/06	139
CPX07	CPX/07	139
CPX08	CPX/08	139
CPX11	CPX/11	139
CPX12	CPX/12	139
CPX13	CPX/13	139
CPX14	CPX/14	139
CPX16	CPX/16	139
CPX21	CPX/21	139
CPX44	CPX/44	139
CPX83	CPX/83	139
CR110	CBR.2	5
CR110GR	CBR.2/GR	5
CR111	CBR/PT	125
CR111GR	CBR/PT/GR	125
CS000	CSC/00	150
CS00A	CSC/aa	150
CS00B	CSC/bb	150
CS00C	CSC/cc	150
CS00D	CSC/dd	150
CS00E	CSC/ee	150
CS00F	CSC/ff	150
CS00G	CSC/gg	150
CS00H	CSC/hh	150
CS00I	CSC/ii	150
CS00J	CSC/jj	150
CS00K	CSC/kk	150
CS00L	CSC/ll	150
CS00M	CSC/mm	150
CS00N	CSC/nn	150
CS00O	CSC/oo	150
CS00P	CSC/pp	150
CS00Q	CSC/qq	150
CS00R	CSC/rr	150
CS00S	CSC/ss	150

CAT. NO.	TYPE	PAGE
CS00T	CSC/tt	150
CS00U	CSC/uu	150
CS00V	CSC/vv	150
CS00W	CSC/ww	150
CS00X	CSC/xx	150
CS00Y	CSC/yy	150
CS00Z	CSC/zz	150
CS0G1	CSC/G1	150
CS0G2	CSC/G2	150
CS0G3	CSC/G3	150
CS0G4	CSC/G4	150
CS0G5	CSC/G5	150
CS0G6	CSC/G6	150
CS0G7	CSC/G7	150
CS0G8	CSC/G8	150
CS0G9	CSC/G9	150
CS111	CSC/11	150
CS222	CSC/22	150
CS333	CSC/33	150
CS444	CSC/44	150
CS555	CSC/55	150
CS666	CSC/66	150
CS777	CSC/77	150
CS888	CSC/88	150
CS999	CSC/99	150
CSAAA	CSC/AA	150
CSBBB	CSC/BB	150
CSC00	CSC	150
CSC09	CSC/09	150
CSCCC	CSC/CC	150
CSDDD	CSC/DD	150
CSEEE	CSC/EE	150
CSFFF	CSC/FF	150
CSGGG	CSC/GG	150
CSHHH	CSC/HH	150
CSIII	CSC/II	150
CSJJJ	CSC/JJ	150
CSKKK	CSC/KK	150
CSLLL	CSC/LL	150
CSMMM	CSC/MM	150
CSNNN	CSC/NN	150
CSPPP	CSC/PP	150
CSQQQ	CSC/QQ	150
CSRRR	CSC/RR	150
CSSSS	CSC/SS	150
CSTTT	CSC/TT	150
CSUUU	CSC/UU	150
CSVVV	CSC/VV	150
CSWWW	CSC/WW	150
CSXXX	CSC/XX	150
CSYYY	CSC/YY	150
CSZZZ	CSC/ZZ	150
CT004	CB/CTL/NERO	155
CT006	CB/CTL/ROSSO	155
CV100	CVF.4	53
CV101	CVF/PT	125
CV110	CVF.4/VS	54
CV120	CVF.4/WW	54
CV130	CVF.4/VS2	54
CV140	CVF.4/TP	54
CV200	CVF.4 (Ex)i	53
CV201	CVF/PT (Ex)i	125
DA100	DSFA.4	34
DA100GR	DSFA.4/GR	34
DA112	DSFA.4/L12	34
DA124	DSFA.4/L24	34
DB100	DBC.2	26
DB100GR	DBC.2/GR	26
DB101	DBC/PT	125
DB101GR	DBC/PT/GR	125
DB117	DBC.2/CI	26
DB117GR	DBC.2/CI/GR	26
DB200	DBC.2 (Ex)i	26
DB201	DBC/PT (Ex)i	125
DC005	SDC/5	141
DC006	SDC/6	141
DC05P	SDC/5P	141
DC05V	SDC/5V	141
DC06P	SDC/6P	141
DC06V	SDC/6V	141
DCPOL	SDC/POL	141
DD001	SDD/1	142
DD002	SDD/2	142
DD005	SDD/5	141
DD006	SDD/6	141

CAT. NO.	TYPE	PAGE
DD501	SD5/PT	141
DD601	SD6/PT	141
DF300	DFM/300	145
DF400	DFM/400	145
DF500	DFM/500	145
DF600	DFM/600	145
DF700	DFM/700	145
DF800	DFM/800	145
DFF2R	DFF/2/ROSSO	144
DFF2V	DFF/2/VERDE	144
DH004	SDH/4	141
DH005	SDH/5	141
DH006	SDH/6	141
DH007	SDH/7	141
DH01B	DFH/1/BIANCO	144
DH01R	DFH/1/ROSSO	144
DH01V	DFH/1/VERDE	144
DH02B	DFH/2/BIANCO	144
DH02B	DFF/2/BIANCO	144
DH02R	DFH/2/ROSSO	144
DH02V	DFH/2/VERDE	144
DH03B	DFH/3/BIANCO	144
DH03R	DFH/3/ROSSO	144
DH03V	DFH/3/VERDE	144
DH04B	DFH/4/BIANCO	144
DH04P	SDH/4P	141
DH04R	DFH/4/ROSSO	144
DH04V	DFH/4/VERDE	144
DH07P	SDH/7P	141
DH401	SH4/PT	141
DH501	SH5/PT	141
DH601	SH6/PT	141
DH701	SH7/PT	141
DS100	DAS.4	27
DS100GR	DAS.4/GR	27
DS101	DAS/PT	125
DS101GR	DAS/PT/GR	125
DS107	DAS/VCI	154
DS108	DAS/VCE	154
DS110	DAS.4/SS	28
DS110GR	DAS.4/SS/GR	28
DS111	DAS.4/A	51
DS111GR	DAS.4/A/GR	51
DS112	DAS.4/B	51
DS112GR	DAS.4/B/GR	51
DS113	DAS.4/C	51
DS113GR	DAS.4/C/GR	51
DS114	DAS.4/D	51
DS114GR	DAS.4/D/GR	51
DS115	DAS.4/E	51
DS115GR	DAS.4/E/GR	51
DS117	DAS.4/CI	27
DS117GR	DAS.4/CI/GR	27
DS119	DAS.4/I	51
DS119GR	DAS.4/I/GR	51
DS120	DAS.4/DD	51
DS120GR	DAS.4/DD/GR	51
DS128	DAS.4/T	51
DS128GR	DAS.4/T/GR	51
DS129	DAS.4/U	51
DS129GR	DAS.4/U/GR	51
DS130	DAS.4/L	51
DS130GR	DAS.4/L/GR	51
DS200	DAS.4 (Ex)i	27
DS201	DAS/PT (Ex)i	125
DS217	DAS.4/CI (Ex)i	27
DS301	DSS/PT	125
DS301GR	DSS/PT/GR	125
DS400	DSS.4	28
DS400	DSS.4	40
DS400GR	DSS.4/GR	28
DS400GR	DSS.4/GR	40
DSD005	DAS.4/D5	49
DSD005GR	DAS.4/D5/GR	49
DSD012	DAS.4/D12	49
DSD012GR	DAS.4/D12/GR	49
DSD024	DAS.4/D24	49
DSD024GR	DAS.4/D24/GR	49
DSD060	DAS.4/D60	49
DSD060GR	DAS.4/D60/GR	49
DSV024	DAS.4/V24	50
DSV024GR	DAS.4/V24/GR	50
DSV048	DAS.4/V48	50
DSV048GR	DAS.4/V48/GR	50
DSV120	DAS.4/V120	50

CAT. NO.	TYPE	PAGE
DSV120GR	DAS.4/V120/GR	50
DSV230	DAS.4/V230	50
DSV230GR	DAS.4/V230/GR	50
DU01B	DFU/1/BIANCO	144
DU01R	DFU/1/ROSSO	144
DU01V	DFU/1/VERDE	144
DU02B	DFU/2/BIANCO	144
DU02R	DFU/2/ROSSO	144
DU02S	DF/VPC	58
DU02V	DFU/2/VERDE	144
DU03B	DFU/3/BIANCO	144
DU03R	DFU/3/ROSSO	144
DU03V	DFU/3/VERDE	144
DU04B	DFU/4/BIANCO	144
DU04V	DFU/4/VERDE	144
DU05B	DFU/5/BIANCO	144
DU05R	DFU/5/ROSSO	144
DU05V	DFU/5/VERDE	144
DU06B	DFU/6/BIANCO	144
DU06R	DFU/6/ROSSO	144
DU06V	DFU/6/VERDE	144
DU07B	DFU/7/BIANCO	144
DU07R	DFU/7/ROSSO	144
DU07V	DFU/7/VERDE	144
DU04R	DFU/4/ROSSO	144
ED110	EDM.2	95
ED111	EDM/2/PT	125
ED111	EDM2/PT	125
ED210	EDM.4	95
ED310	EDM.6	95
ED400	EDM.10	96
ED401	EDM/4-10/PT	125
ED500	EDM.16	96
ED501	EDM/16/PT	125
ED600	EDM.25	96
ED601	EDM/25/PT	125
ED700	EDM.35	97
ED701	EDM/35/PT	125
ED801	EDM/70/PT	125
ED820	EDM.70	97
ED860	EDM.70/BC	97
EI101	EDM2/PT (Ex)i	125
EI110	EDM.2 (Ex)i	95
EI111	EDM/2/PT (Ex)i	125
EI210	EDM.4 (Ex)i	95
EI310	EDM.6 (Ex)i	95
EI400	EDM.10 (Ex)i	96
EI401	EDM/4-10/PT (Ex)i	125
EI500	EDM.16 (Ex)i	96
EI501	EDM/16/PT (Ex)i	125
EI600	EDM.25 (Ex)i	96
EI601	EDM/25/PT (Ex)i	125
EI700	EDM.35 (Ex)i	97
EI701	EDM/35/PT (Ex)i	125
EI801	EDM/70/PT (Ex)i	125
EI810	EDM.70 (Ex)i	97
FC100	SFC.10	104
FC101	SCF/PT	125
FC102	SFC/CO	154
FC103	MSM	147
FC200	SFL.10	104
FD100	FDP.2	53
FD100GR	FDP.2/GR	53
FD101	FDP/PT	125
FD101GR	FDP/PT/GR	125
FF100	FFS.4	29
FF100GR	FFS.4/GR	29
FF101	FFS/PT	125
FF101GR	FFS/PT/GR	125
FL101	FLD/PT	125
FL200	FLD.10/F5L	105
FL201	LSN	143
FL202	LSN	143
FL204	CF5L	105
FL300	FLD.10/F6	105
FL304	CF6	105
FL400	FLD.10/F5	104
FL404	CF5	104
FL500	FLD.10/D	105
FL504	CFD	105
FN001ST	F5/100 mA	143
FN002ST	F5/200 mA	143
FN003ST	F5/315 mA	143
FN004ST	F5/500 mA	143
FN005ST	F5/630 mA	143

CAT. NO.	TYPE	PAGE
FN006ST	F5/1 A	143
FN007ST	F5/1,6 A	143
FN008ST	F5/2 A	143
FN009ST	F5/2,5 A	143
FN010ST	F5/3,15 A	143
FN011ST	F5/4 A	143
FN012ST	F5/5 A	143
FN013ST	F5/6,3 A	143
FN014ST	F5/8 A	143
FN015ST	F5/10 A	143
FN016ST	F5/12 A	143
FP100	FPC.10	36
FP100	FPC.10	43
FP200	FPL.10/L	36
FP300	FPL.10/C	36
FP912	FPL.10/C12	38
FP915	FPL.10/C115	38
FP923	FPL.10/C230	38
FP924	FPL.10/C24	38
FP948	FPL.10/C48	38
FV100	FVS.4	29
FV100GR	FVS.4/GR	29
FV101	FVS/PT	125
FV101GR	FVS/PT/GR	125
FV107	FVS/VCI	154
FV108	FVS/VCE	154
GA100	GPA.95	6
GA100GR	GPA.95/GR	6
GA200	GPA.150	7
GA200GR	GPA.150/GR	7
GA300	GPA.240	7
GA300GR	GPA.240/GR	7
GA400	GPA.70	6
GA400GR	GPA.70/GR	6
GF100	GPA.95/FIX	6
GF200	GPA.150/FIX	7
GF300	GPA.240/FIX	7
GF400	GPA.70/FIX	6
GP100	GPM.95/BB	17
GP110	GPM.95/BB/FIX	17
GP200	GPM.95/BC	18
GP210	GPM.95/BC/FIX	18
GP300	GPM.95/CC	19
GP310	GPM.95/CC/FIX	19
GP400	GPM.150/BB	17
GP410	GPM.150/BB/FIX	17
GP500	GPM.150/BC	18
GP510	GPM.150/BC/FIX	18
GP600	GPM.150/CC	19
GP610	GPM.150/CC/FIX	19
GP700	GPM.240/BB	17
GP710	GPM.240/BB/FIX	17
GP800	GPM.240/BC	18
GP810	GPM.240/BC/FIX	18
GP900	GPM.240/CC	19
GP910	GPM.240/CC/FIX	19
HB100GR	HSCB.4/GR	83
HB101GR	HSCB.4/PT/GR	125
HB200GR	HSCB.6/GR	83
HB201GR	HSCB.6/PT/GR	125
HB203	HSCB.6/PO/2	154
HB204	HSCB.6/PO/4	154
HB205	HSCB.6/CPM	154
HC200GR	HCD.1/GR	86
HC201GR	HCD.1/PT/GR	125
HC210	HCD.1 (Ex)i	86
HD100GR	HMD.2/GR	80
HD101GR	HMD.2/PT/GR	125
HD101GR	HMD/PT/GR	125
HD120GR	HMD.1/CI/GR	80
HD130GR	HMD.1/X/GR	81
HD200GR	HMD.1/GR	80
HD201GR	HMD.1/PT/GR	125
HD300	HMD.1 (Ex)i	80
HD301	HMD.1/PT (Ex)i	125
HD400GR	HMD.2N/GR	80
HD410	HMD.2N (Ex)i	80
HD420GR	HMD.2N/DD/GR	81
HD430GR	HMD.2N/3DC/GR	81
HD440GR	HMD.2N/X/GR	81
HD441GR	HMD.2N/XI/GR	82
HD450GR	HMD.2N/CI/GR	80
HF110GR	HMF.4/GR	85
HF111GR	HMF/PT/GR	125
HF212GR	HMF.4/L12/GR	85

Index by Catalogue number

CAT. NO.	TYPE	PAGE	CAT. NO.	TYPE	PAGE	CAT. NO.	TYPE	PAGE
HF224GR	HMF.4/L24/GR	85	L KITLSN/70-380	LSN	143	N8017	CNU/8/017	149
HF248GR	HMF.4/L48/GR	85	LS001	LSH/12	143	N8018	CNU/8/018	149
HF300GR	HMF.A.2/GR	84	LS002	LSH/24	143	N8019	CNU/8/019	149
HI130	HP.2 (Ex)i	89	LS003	LSH/48	143	N8020	CNU/8/020	149
HI131	HPC.2 (Ex)i	90	LS004	LSH/115	143	N8021	CNU/8/021	149
HI132	HPP.2 (Ex)i	89	LS005	LSH/230	143	N8022	CNU/8/022	149
HI210	HMM.4/1+2 (Ex)i	73	MA010	MAC/PLZ	61	N8023	CNU/8/023	149
HI220	HMM.4/2+2 (Ex)i	73	MA030	MAC/COS	61	N8024	CNU/8/024	149
HI250	HMM.4 (Ex)i	73	MA040	MAC/CP8	61	N8025	CNU/8/025	149
HI251	HMT.4/PT (Ex)i	125	MA100	MAC.6	60	N8026	CNU/8/026	149
HI310	HMM.6 (Ex)i	74	MA110	CAM	61	N8027	CNU/8/027	149
HI321	HMM.6/PT (Ex)i	125	MA111	CAM/B	61	N8028	CNU/8/028	149
HI330	HMM.10 (Ex)i	74	MA112	CAM/C	61	N8031	CNU/8/031	149
HI340	HMM.16 (Ex)i	74	MA200	MAC.6/N	60	N8032	CNU/8/032	149
HI400	HMM.1 (Ex)i	70	MA410	MAC.6/FS	60	N8033	CNU/8/033	149
HI401	HMT.1/PT (Ex)i	125	MA500	MAC.6/VS	60	N8034	CNU/8/034	149
HI410	HMM.1/1+2 (Ex)i	70	MB100	MBL.50/6	21	N8035	CNU/8/035	149
HI411	HMT.1/1+2/PT (Ex)i	125	MB200	MBL.95/8	21	N8036	CNU/8/036	149
HI420	HMM.1/2+2 (Ex)i	70	MB300	MBL.120/10	22	N8037	CNU/8/037	149
HI421	HMT.1/2+2/PT (Ex)i	125	MB400	MBL.150/12	22	N8038	CNU/8/038	149
HI500	HMM.2 (Ex)i	71	MC201B	MCM.1/B	116	N8043	CNU/8/043	149
HI501	HMT.2/PT (Ex)i	125	MC201G	MCM.1/G	116	N8044	CNU/8/044	149
HI510	HMM.2/2+2 (Ex)i	71	MC201R	MCM.1/R	116	N8045	CNU/8/045	149
HI511	HMT.2/1+2/PT (Ex)i	125	MC202B	MCM.2/B	117	N8046	CNU/8/046	149
HI520	HMM.2/1+2 (Ex)i	71	MC202G	MCM.2/G	117	N8047	CNU/8/047	149
HI521	HMT.2/2+2/PT (Ex)i	125	MC202R	MCM.2/R	117	N8048	CNU/8/048	149
HM170GR	HMM.2/2+2/A/GR	72	MC203B	MCM.3/B	117	N8049	CNU/8/049	149
HM210GR	HMM.4/1+2/GR	73	MC203G	MCM.3/G	117	N8050	CNU/8/050	149
HM220GR	HMM.4/2+2/GR	73	MC203R	MCM.3/R	117	N8051	CNU/8/051	149
HM250GR	HMM.4/GR	73	MC233B	MCM.3/VE/B	120	N80L1	CNU/8/0L1	149
HM251	HMT.4/PT	125	MC233G	MCM.3/VE/G	120	N80L2	CNU/8/0L2	149
HM251GR	HMT.4/PT/GR	125	MC233R	MCM.3/VE/R	120	N80L3	CNU/8/0L3	149
HM310GR	HMM.6/GR	74	MC401B	MCT.1/SA/B	118	N80PE	CNU/8/0PE	149
HM321	HMT.6/PT	125	MC401G	MCT.1/SA/G	118	N80PN	CNU/8/0PN	149
HM321GR	HMT.6/PT/GR	125	MC401R	MCT.1/SA/R	118	N80U1	CNU/8/0U1	149
HM330GR	HMM.10/GR	74	MC402B	MCT.2/SA/B	119	N80U2	CNU/8/0U2	149
HM340GR	HMM.16/GR	74	MC402G	MCT.2/SA/G	119	N80V1	CNU/8/0V1	149
HM350GR	HMR.16/GR	75	MC402R	MCT.2/SA/R	119	N80V2	CNU/8/0V2	149
HM360GR	HMR.16/D/GR	75	MC403B	MCT.3/SA/B	119	N80W1	CNU/8/0W1	149
HM400GR	HMM.1/GR	70	MC403G	MCT.3/SA/G	119	N80W2	CNU/8/0W2	149
HM401	HMT.1/PT	125	MC403R	MCT.3/SA/R	119	N8101	CNU/8/101	149
HM401GR	HMT.1/PT/GR	125	MF100	MPFA.4	34	N8111	CNU/8/111	148
HM410GR	HMM.1/1+2/GR	70	MF100GR	MPFA.4/GR	34	N8151	CNU/8/151	149
HM411	HMT.1/1+2/PT	125	MF112	MPFA.4/L12	34	N8201	CNU/8/201	149
HM411GR	HMT.1/1+2/PT/GR	125	MF124	MPFA.4/L24	34	N8222	CNU/8/222	148
HM420GR	HMM.1/2+2/GR	70	MP120	MPS.2/SW	39	N8230	CNU/8/230	148
HM421	HMT.1/2+2/PT	125	MP120GR	MPS.2/SW/GR	39	N8251	CNU/8/251	149
HM421GR	HMT.1/2+2/PT/GR	125	MP121	MPS.2/PT	125	N8301	CNU/8/301	149
HM500GR	HMM.2/GR	71	MP121GR	MPS.2/PT/GR	125	N8333	CNU/8/333	148
HM501	HMT.2/PT	125	MP130	MPS.2/SW (Ex)i	39	N8351	CNU/8/351	149
HM501GR	HMT.2/PT/GR	125	MP131	MPS.2/PT (Ex)i	125	N8401	CNU/8/401	149
HM510GR	HMM.2/1+2/GR	71	MP220	MPS.2/SV	39	N8444	CNU/8/444	148
HM511	HMT.2/1+2/PT	125	MP710	MPS.2/SWP	39	N8451	CNU/8/451	149
HM511GR	HMT.2/1+2/PT/GR	125	MP710GR	MPS.2/SWP/GR	39	N8501	CNU/8/501	149
HM520GR	HMM.2/2+2/GR	71	MP901	MPS.4/PT	125	N8510	CNU/8/510	149
HM521	HMT.2/2+2/PT	125	MP902	MPS.4/PT (Ex)i	125	N8520	CNU/8/520	149
HM521GR	HMT.2/2+2/PT/GR	125	MP930	MPS.4/VS	40	N8530	CNU/8/530	149
HMS10GR	HMM.2/2+2/S/GR	72	MP950	MPS.4	40	N8540	CNU/8/540	149
HMS20GR	HMM.2/1+2/S/GR	72	MP950GR	MPS.4/GR	40	N8550	CNU/8/550	149
HP150GR	HP.2/GR	89	MP960	MPS.4/SW (Ex)i	40	N8551	CNU/8/551	149
HP160GR	HPC.2/GR	90	MZ300N	MS/8x10/N	121	N8555	CNU/8/555	148
HP170GR	HPP.2/GR	89	MZ300T	MS/8x10/T	121	N8560	CNU/8/560	149
HP201	HP/PT (Ex)i	125	N5015	CNU/5/015	150	N8570	CNU/8/570	149
HS200GR	HMS.2/GR	83	N5016	CNU/5/016	150	N8580	CNU/8/580	149
HT250	HTE.4	78	N5017	CNU/5/017	150	N8590	CNU/8/590	149
HT260	HTE.4/1+2	78	N5018	CNU/5/018	150	N8600	CNU/8/600	149
HT270	HTE.4/2+2	78	N5023	CNU/5/023	150	N8601	CNU/8/601	149
HT310	HTE.6	79	N5024	CNU/5/024	150	N8651	CNU/8/651	149
HT330	HTE.10	79	N5025	CNU/5/025	150	N8666	CNU/8/666	148
HT340	HTE.16	79	N5026	CNU/5/026	150	N8701	CNU/8/701	149
HT400	HTE.1	76	N5027	CNU/5/027	150	N8751	CNU/8/751	149
HT410	HTE.1/1+2	76	N5029	CNU/5/029	150	N8777	CNU/8/777	148
HT420	HTE.1/2+2	76	N5110	CNU/5/110	150	N8801	CNU/8/801	149
HT500	HTE.2	77	N5123	CNU/5/123	150	N8851	CNU/8/851	149
HT510	HTE.2/1+2	77	N5250	CNU/5/250	150	N8888	CNU/8/888	148
HT520	HTE.2/2+2	77	N5350	CNU/5/350	150	N8901	CNU/8/901	149
HV101GR	HP/PT/GR	125	N8000	CNU/8/000	148	N8910	CNU/8/910	148
HV111GR	HPV/PT/GR	125	N8001	CNU/8/001	149	N8951	CNU/8/951	149
HVP300GR	HVPC.2/GR	87	N8010	CNU/8/010	148	N8980	CNU/8/980	148
HVP900GR	CHP.2/GR	87	N8011	CNU/8/011	149	N8999	CNU/8/999	148
HVP910GR	CHP.2D/GR	87	N8012	CNU/8/012	149	N8Y10	CNU/8/100	148
HVT500	HVTE.2	88	N8013	CNU/8/013	149	N8Y11	CNU/8/111	148
HVT900	CHTE.2	88	N8014	CNU/8/014	149	N8Y12	CNU/8/121	148
HVT910	CHTE.2D	88	N8015	CNU/8/015	149	N8Y13	CNU/8/131	148
K KITLSN/12-24	LSN	143	N8016	CNU/8/016	149	N8Y14	CNU/8/141	148

CAT. NO.	TYPE	PAGE
N8Y15	CNU/8/15	148
N8Y16	CNU/8/16	148
N8Y17	CNU/8/17	148
N8Y18	CNU/8/18	148
N8Y19	CNU/8/19	148
N8Y20	CNU/8/20	148
N8Y21	CNU/8/21	148
N8Y22	CNU/8/22	148
N8Y23	CNU/8/23	148
N8Y24	CNU/8/24	148
N8Y25	CNU/8/25	148
N8Y26	CNU/8/26	148
N8Y27	CNU/8/27	148
N8Y28	CNU/8/28	148
N8Y29	CNU/8/29	148
N8Y30	CNU/8/30	148
N8Y31	CNU/8/31	148
N8Y32	CNU/8/32	148
N8Y33	CNU/8/33	148
N8Y34	CNU/8/34	148
N8Y35	CNU/8/35	148
N8Y36	CNU/8/36	148
N8Y37	CNU/8/37	148
N8Y38	CNU/8/38	148
N8Y39	CNU/8/39	148
N8Y40	CNU/8/40	148
N8Y41	CNU/8/41	148
N8Y42	CNU/8/42	148
N8Y43	CNU/8/43	148
N8Y44	CNU/8/44	148
N8Y45	CNU/8/45	148
N8Y46	CNU/8/46	148
N8Y47	CNU/8/47	148
N8Y48	CNU/8/48	148
N8Y49	CNU/8/49	148
N8Y50	CNU/8/50	148
N8Y51	CNU/8/51	148
N8Y52	CNU/8/52	148
N8Y53	CNU/8/53	148
N8Y54	CNU/8/54	148
N8Y55	CNU/8/55	148
N8Y56	CNU/8/56	148
N8Y57	CNU/8/57	148
N8Y58	CNU/8/58	148
N8Y59	CNU/8/59	148
N8Y60	CNU/8/60	148
N8Y61	CNU/8/61	148
N8Y62	CNU/8/62	148
N8Y63	CNU/8/63	148
N8Y64	CNU/8/64	148
N8Y65	CNU/8/65	148
N8Y66	CNU/8/66	148
N8Y67	CNU/8/67	148
N8Y68	CNU/8/68	148
N8Y69	CNU/8/69	148
N8Y70	CNU/8/70	148
N8Y71	CNU/8/71	148
N8Y72	CNU/8/72	148
N8Y73	CNU/8/73	148
N8Y74	CNU/8/74	148
N8Y75	CNU/8/75	148
N8Y76	CNU/8/76	148
N8Y77	CNU/8/77	148
N8Y78	CNU/8/78	148
N8Y79	CNU/8/79	148
N8Y80	CNU/8/80	148
N8Y81	CNU/8/81	148
N8Y82	CNU/8/82	148
N8Y83	CNU/8/83	148
N8Y84	CNU/8/84	148
N8Y85	CNU/8/85	148
N8Y86	CNU/8/86	148
N8Y87	CNU/8/87	148
N8Y88	CNU/8/88	148
N8Y89	CNU/8/89	148
N8Y90	CNU/8/90	148
N8Y91	CNU/8/91	148
N8Y92	CNU/8/92	148
N8Y93	CNU/8/93	148
N8Y94	CNU/8/94	148
N8Y95	CNU/8/95	148
N8Y96	CNU/8/96	148
N8Y97	CNU/8/97	148
N8Y98	CNU/8/98	148
N8Y99	CNU/8/99	148

CAT. NO.	TYPE	PAGE
NC100	NCS	92
NC101	NCS/PT	125
NC200	NCV	92
NU005	CNU/5/030	150
NU008	CNU/8/030	148
PD001	PSD/A	142
PD002	PSD/B	142
PD003	PSD/C	142
PD004	PSD/D	142
PD005	PSD/E	142
PD009	PSD/L	142
PD011	PSD/K	142
PD013	PSD/N	142
PD014	PSD/J	142
PD015	PSD/P	142
PD017	PSD/O	142
PF100	PDF.2	53
PF101	PDF/PT	125
PF101GR	PDF/PT/GR	125
PH100	PH/2,5-4	133
PH100	PH/2,5-4	137
PHD02	PHD/2	137
PHM01	PHM/2,5/4	137
PIL02	PIL/2	133
PIL03	PIL/3	133
PIL04	PIL/4	133
PIL08	PIL/8	133
PM100	PM/10/10	133
PM102	PM/10/2	133
PM103	PM/10/3	133
PM105	PM/10/5	133
PM110	PM/11/10	133
PM112	PM/11/2	133
PM113	PM/11/3	133
PM115	PM/11/5	133
PM120	PM/12/10	133
PM122	PM/12/2	133
PM123	PM/12/3	133
PM125	PM/12/5	133
PM202	PM/20/2	133
PM203	PM/20/3	133
PM205	PM/20/5	133
PM210	PM/20/10	133
PM250	PM/25/10	133
PM252	PM/25/2	133
PM253	PM/25/3	133
PM255	PM/25/5	133
PM303	PM/30/3	133
PM305	PM/30/5	133
PM310	PM/30/10	133
PM400	PM/40/10	133
PM402	PM/40/2	133
PM403	PM/40/3	133
PM405	PM/40/5	133
PM410	PM/41/10	133
PM412	PM/41/2	133
PM413	PM/41/3	133
PM415	PM/41/5	133
PM510	PM/51/10	133
PM513	PM/51/3	133
PM515	PM/51/5	133
PM602	PM/60/2	133
PM603	PM/60/3	133
PM605	PM/60/5	133
PM610	PM/60/10	133
PM900	PM/90/10	133
PM902	PM/90/2	133
PM903	PM/90/3	133
PM905	PM/90/5	133
PM910	PM/91/10	133
PM912	PM/91/2	133
PM913	PM/91/3	133
PM915	PM/91/5	133
PMP01	PMP/01	139
PMP02	PMP/02	139
PMP04	PMP/04	139
PMP05	PMP/05	139
PMP06	PMP/06	139
PMP07	PMP/07	139
PMP08	PMP/08	139
PMP12	PMP/12	139
PMP13	PMP/13	139
PMP14	PMP/14	139
PMP16	PMP/16	139
PMP17	PMP/17	139

CAT. NO.	TYPE	PAGE
PMP20	PMP/20	139
PMP25	PMP/25	139
PMP42	PMP/42	139
PMP54	PMP/54	139
PMP55	PMP/55	139
PMP56	PMP/56	139
PMP58	PMP/58	139
PO152	POF/150/2	138
PO153	POF/150/3	138
PO242	POF/240/2	138
PO243	POF/240/3	138
PO952	POF/95/2	138
PO953	POF/95/3	138
POF05	POF/05	138
POF06	POF/06	138
POF07	POF/07	138
POF08	POF/08	138
POF11	POF/11	138
POF12	POF/12	138
POF13	POF/13	138
POF14	POF/14	138
POF17	POF/17	138
POF20	POF/20	138
POF44	POF/44	138
POF53	POF/53	138
POF54	POF/54	138
POF55	POF/55	138
POF56	POF/56	138
POF57	POF/57	138
POF70	POF/70	138
POF99	POF/99	138
POS04	POS/04	140
POS07	POS/07	140
POS08	POS/08	140
POS11	POS/11	140
POS12	POS/12	140
POS13	POS/13	140
POS14	POS/14	140
POS25	POS/25	140
POS41	POS/41	140
POS42	POS/42	140
POS43	POS/43	140
POS44	POS/44	140
POS53	POS/53	140
POS66	POS/66	140
POS72	POS/72	140
POS91	POS/91	140
POS93	POS/93	140
PR001	PR/DIN/AC	128
PR002	PR/DIN/AL	128
PR003	PR/3/AC	127
PR004	PR/DIN/AS	128
PR005	PR/3/AS	127
PR006	PR/3/PA	127
PR007	PR/3/PP	127
PR009	PR/2/AC	128
PR010	PR/2/AS	128
PR901	PR/DIN/AC/ZB	128
PR903	PR/3/AC/ZB	127
PR904	PR/DIN/AS/ZB	128
PR905	PR/3/AS/ZB	127
PR906	PR/3/PA/ZB	127
PR907	PR/3/PP/ZB	127
PR909	PR/2/AC/ZB	128
PR910	PR/2/AS/ZB	128
PRP05	PRP/5	146
PRP06	PRP/6	146
PRP07	PRP/7	146
PRP070G	PRP/7/G	147
PRP08	PRP/8	146
PRT01	PRT/P	145
PRT02	PRT/M	145
PRT03	PRT/G	145
PTC0100	PTC/1/00	134
PTC0102	PTC/1/02	134
PTC0103	PTC/1/03	134
PTC0110	PTC/1/10	134
PTC0200	PTC/2/00	134
PTC0202	PTC/2/02	134
PTC0203	PTC/2/03	134
PTC0205	PTC/1/05	134
PTC0210	PTC/2/10	134
PTC0300	PTC/3/00	134
PTC0302	PTC/3/02	134
PTC0303	PTC/3/03	134

CAT. NO.	TYPE	PAGE	CAT. NO.	TYPE	PAGE	CAT. NO.	TYPE	PAGE
PTC0305	PTC/3/05	134	SC230	SCX.10/PI/CD	103	SH1L3	SHZ/2/L3	153
PTC0310	PTC/3/10	134	SC240	SCX.10/PI/DD	103	SH1LL	SHZ/2/LL	153
PTC0400	PTC/10/00	134	SC400	SCX.10/O	102	SH1MM	SHZ/2/MM	153
PTC0400	PTC/4/00	134	SC500	SCX.10/O/PI	103	SH1NN	SHZ/2/NN	153
PTC0402	PTC/4/02	134	SD200	SDN/D	120	SH1OO	SHZ/2/OO	153
PTC0403	PTC/10/03	134	SD300	SDN/H	120	SH1PE	SHZ/2/PE	153
PTC0405	PTC/4/05	134	SF400	SFO.4	32	SH1PEN	SHZ/2/PEN	153
PTC0410	PTC/10/10	134	SF400	SFO.4	42	SH1PP	SHZ/2/PP	153
PTC0500	PTC/5/00	134	SF401	SFO/PT	125	SH1QQ	SHZ/2/QQ	153
PTC0502	PTC/5/02	134	SF410	SFO.4/VS	33	SH1RR	SHZ/2/RR	153
PTC0503	PTC/5/03	134	SF410	SFO.4/VS	42	SH1SS	SHZ/2/SS	153
PTC0505	PTC/5/05	134	SF512	CIL/12	143	SH1T1	SHZ/2/T1	153
PTC0510	PTC/5/10	134	SF515	CIL/115	143	SH1T2	SHZ/2/T2	153
PTC0600	PTC/6/00	134	SF523	CIL/230	143	SH1T3	SHZ/2/T3	153
PTC0602	PTC/6/02	134	SF524	CIL/24	143	SH1TT	SHZ/2/TT	153
PTC0603	PTC/6/03	134	SF548	CIL/48	143	SH1U1	SHZ/2/U1	153
PTC0605	PTC/6/05	134	SF600	SFO.4 (Ex)i	32	SH1U2	SHZ/2/U2	153
PTC0610	PTC/6/10	134	SF600	SFO.4 (Ex)i	42	SH1U3	SHZ/2/U3	153
PTC0800	PTC/8/00	134	SF601	SFO/PT (Ex)i	125	SH1UU	SHZ/2/UU	153
PTC0802	PTC/8/02	134	SF701	SFR/PT	125	SH1V1	SHZ/2/V1	153
PTC0803	PTC/8/03	134	SF701GR	SFR.4/PT/GR	125	SH1V2	SHZ/2/V2	153
PTC0805	PTC/8/05	134	SF801	SFR/PT (Ex)i	125	SH1VV	SHZ/2/VV	153
PTC0810	PTC/8/10	134	SF812	SFO.4/C12	38	SH1W1	SHZ/2/W1	153
PTC0990	PTC/SP	135	SF815	SFO.4/C115	38	SH1W2	SHZ/2/W2	153
PTC1002	PTC/10/02	134	SF823	SFO.4/C230	38	SH1WW	SHZ/2/WW	153
PTC1100	PTC/11/00	134	SF824	SFO.4/C24	38	SH1XX	SHZ/2/XX	153
PTC1102	PTC/11/02	134	SF848	SFO.4/C48	38	SH1YY	SHZ/2/YY	153
PTC1103	PTC/11/03	134	SF850	SFR.4 (Ex)i	32	SH1ZZ	SHZ/2/ZZ	153
PTC1105	PTC/11/05	134	SF850	SFR.4 (Ex)i	41	SH210	SHZ/4/10	153
PTC1110	PTC/11/10	134	SF850	SFR.4 (Ex)i	46	SH211	SHZ/4/11	153
PTC1600	PTC/16/00	134	SF900	SFR.4	32	SH219	SHZ/4/19	153
PTC1602	PTC/16/02	134	SF900	SFR.4	41	SH221	SHZ/4/21	153
PTC1603	PTC/16/03	134	SF900	SFR.4	46	SH231	SHZ/4/31	153
PTC1605	PTC/16/05	134	SF900GR	SFR.4/GR	46	SH241	SHZ/4/41	153
PTC1610	PTC/16/10	134	SF900GR	SFR.4/GR	32	SH251	SHZ/4/51	153
PTC2000	PTC/20/00	134	SF900GR	SFR.4/GR	41	SH261	SHZ/4/61	153
PTC2002	PTC/20/02	134	SF901	SFR.4/D1A	47	SH271	SHZ/4/71	153
PTC2003	PTC/20/03	134	SF903	SFR.4/D3A	47	SH281	SHZ/4/81	153
PTC2005	PTC/20/05	134	SF910	SFR.4/VS	33	SH291	SHZ/4/91	153
PTC2010	PTC/20/10	134	SF910	SFR.4/VS	41	SH2AA	SHZ/4/AA	153
PZ110	PZM.6	146	SF910GR	SFR.4/VS/GR	33	SH2BB	SHZ/4/BB	153
PZ112	PZD.6/SO	146	SF912	SFR.4/C12	37	SH2CC	SHZ/4/CC	153
PZ330	PZM.4	146	SF915	SFR.4/C115	37	SH2DD	SHZ/4/DD	153
PZ331	PZD.4/SO	146	SF923	SFR.4/C230	37	SH2EE	SHZ/4/EE	153
RF101	RFN/PT	125	SF924	SFR.4/C24	37	SH2FF	SHZ/4/FF	153
RF101GR	RFN/PT/GR	125	SF948	SFR.4/C48	37	SH2G1	SHZ/4/G1	153
RF110GR	RFL.2/GR	63	SF992	SFR/1A	46	SH2G2	SHZ/4/G2	153
RF201	RFN/PT (Ex)i	125	SF993	SFR/13A	46	SH2G3	SHZ/4/G3	153
RN300GR	RN.1/GR	62	SH001	SHZ/2/00	153	SH2G4	SHZ/4/G4	153
RN400	RN.1 (Ex)i	62	SH002	SHZ/4/00	153	SH2G5	SHZ/4/G5	153
RN500GR	RN.2/GR	62	SH003	SHZ/6/00	153	SH2G6	SHZ/4/G6	153
RN510	RN.2 (Ex)i	62	SH004	SHZ/1/00	153	SH2G7	SHZ/4/G7	153
RP300GR	RP.4/GR	62	SH110	SHZ/2/10	153	SH2G8	SHZ/4/G8	153
RP301	RP.4/PT	125	SH111	SHZ/2/11	153	SH2G9	SHZ/4/G9	153
RP301GR	RP.4/PT/GR	125	SH119	SHZ/2/19	153	SH2GG	SHZ/4/GG	153
RP400	RP.4 (Ex)i	62	SH121	SHZ/2/21	153	SH2HH	SHZ/4/HH	153
RP401	RP.4/PT (Ex)i	125	SH131	SHZ/2/31	153	SH2II	SHZ/4/II	153
SB200	SCB.6	45	SH141	SHZ/2/41	153	SH2JJ	SHZ/4/JJ	153
SB200GR	SCB.6/GR	45	SH151	SHZ/2/51	153	SH2KK	SHZ/4/KK	153
SB201	SCB.6/PT	125	SH161	SHZ/2/61	153	SH2L1	SHZ/4/L1	153
SB201GR	SCB.6/PT/GR	125	SH171	SHZ/2/71	153	SH2L2	SHZ/4/L2	153
SB203	SCB.6/PO/2	154	SH181	SHZ/2/81	153	SH2L3	SHZ/4/L3	153
SB204	SCB.6/PO/4	154	SH191	SHZ/2/91	153	SH2LL	SHZ/4/LL	153
SB205	SCB.6/CPM	154	SH1AA	SHZ/2/AA	153	SH2MM	SHZ/4/MM	153
SB210	SCB.6/DD	45	SH1BB	SHZ/2/BB	153	SH2NN	SHZ/4/NN	153
SB210GR	SCB.6/DD/GR	45	SH1CC	SHZ/2/CC	153	SH2OO	SHZ/4/OO	153
SB220	SCB.6/CD	45	SH1DD	SHZ/2/DD	153	SH2PE	SHZ/4/PE	153
SB220GR	SCB.6/CD/GR	45	SH1EE	SHZ/2/EE	153	SH2PEN	SHZ/4/PEN	153
SB300	SCB.4	43	SH1FF	SHZ/2/FF	153	SH2PP	SHZ/4/PP	153
SB300GR	SCB.4/GR	43	SH1G1	SHZ/2/G1	153	SH2QQ	SHZ/4/QQ	153
SB301	SCB.4/PT	125	SH1G2	SHZ/2/G2	153	SH2RR	SHZ/4/RR	153
SB301GR	SCB.4/PT/GR	125	SH1G3	SHZ/2/G3	153	SH2SS	SHZ/4/SS	153
SB303	SCB.4/PO/2	154	SH1G4	SHZ/2/G4	153	SH2T1	SHZ/4/T1	153
SB304	SCB.4/PO/4	154	SH1G5	SHZ/2/G5	153	SH2T2	SHZ/4/T2	153
SB305	SCB.4/CPM	154	SH1G6	SHZ/2/G6	153	SH2T3	SHZ/4/T3	153
SC100	SCX.10	102	SH1G7	SHZ/2/G7	153	SH2TT	SHZ/4/TT	153
SC101	SCX/PT	125	SH1G8	SHZ/2/G8	153	SH2U1	SHZ/4/U1	153
SC103	SCX/PO/2	154	SH1G9	SHZ/2/G9	153	SH2U2	SHZ/4/U2	153
SC104	SCX/PO/4	154	SH1GG	SHZ/2/GG	153	SH2U3	SHZ/4/U3	153
SC105	SCX/CPM	154	SH1HH	SHZ/2/HH	153	SH2UU	SHZ/4/UU	153
SC110	SCX.10/DD	102	SH1II	SHZ/2/II	153	SH2V1	SHZ/4/V1	153
SC120	SCX.10-CD	103	SH1JJ	SHZ/2/JJ	153	SH2V2	SHZ/4/V2	153
SC200	SCX.10-PI	103	SH1KK	SHZ/2/KK	153	SH2VV	SHZ/4/VV	153
SC210	SCX.10/O-DD	102	SH1L1	SHZ/2/L1	153	SH2W1	SHZ/4/W1	153
SC220	SCX.10/O-CD	103	SH1L2	SHZ/2/L2	153	SH2W2	SHZ/4/W2	153

Index by Catalogue number

CAT. NO.	TYPE	PAGE
SH2WW	SHZ/4WW	153
SH2XX	SHZ/4/XX	153
SH2YY	SHZ/4/YY	153
SH2ZZ	SHZ/4/ZZ	153
SH310	SHZ/6/10	153
SH311	SHZ/6/11	153
SH319	SHZ/6/19	153
SH321	SHZ/6/21	153
SH331	SHZ/6/31	153
SH341	SHZ/6/41	153
SH351	SHZ/6/51	153
SH361	SHZ/6/61	153
SH371	SHZ/6/71	153
SH381	SHZ/6/81	153
SH391	SHZ/6/91	153
SH3AA	SHZ/6/AA	153
SH3BB	SHZ/6/BB	153
SH3CC	SHZ/6/CC	153
SH3DD	SHZ/6/DD	153
SH3EE	SHZ/6/EE	153
SH3FF	SHZ/6/FF	153
SH3G1	SHZ/6/G1	153
SH3G2	SHZ/6/G2	153
SH3G3	SHZ/6/G3	153
SH3G4	SHZ/6/G4	153
SH3G5	SHZ/6/G5	153
SH3G6	SHZ/6/G6	153
SH3G7	SHZ/6/G7	153
SH3G8	SHZ/6/G8	153
SH3G9	SHZ/6/G9	153
SH3GG	SHZ/6/GG	153
SH3HH	SHZ/6/HH	153
SH3II	SHZ/6/II	153
SH3JJ	SHZ/6/JJ	153
SH3KK	SHZ/6/KK	153
SH3L1	SHZ/6/L1	153
SH3L2	SHZ/6/L2	153
SH3L3	SHZ/6/L3	153
SH3LL	SHZ/6/LL	153
SH3MM	SHZ/6/MM	153
SH3NN	SHZ/6/NN	153
SH3OO	SHZ/6/OO	153
SH3PE	SHZ/6/PE	153
SH3PEN	SHZ/6/PEN	153
SH3PP	SHZ/6/PP	153
SH3QQ	SHZ/6/QQ	153
SH3RR	SHZ/6/RR	153
SH3SS	SHZ/6/SS	153
SH3T1	SHZ/6/T1	153
SH3T2	SHZ/6/T2	153
SH3T3	SHZ/6/T3	153
SH3TT	SHZ/6/TT	153
SH3U1	SHZ/6/U1	153
SH3U2	SHZ/6/U2	153
SH3U3	SHZ/6/U3	153
SH3UU	SHZ/6/UU	153
SH3V1	SHZ/6/V1	153
SH3V2	SHZ/6/V2	153
SH3VV	SHZ/6/VV	153
SH3W1	SHZ/6/W1	153
SH3W2	SHZ/6/W2	153
SH3WW	SHZ/6/WW	153
SH3XX	SHZ/6/XX	153
SH3YY	SHZ/6/YY	153
SH3ZZ	SHZ/6/ZZ	153
SH410	SHZ/1/10	153
SH411	SHZ/1/11	153
SH419	SHZ/1/19	153
SH421	SHZ/1/21	153
SH431	SHZ/1/31	153
SH441	SHZ/1/41	153
SH451	SHZ/1/51	153
SH461	SHZ/1/61	153
SH471	SHZ/1/71	153
SH481	SHZ/1/81	153
SH491	SHZ/1/91	153
SH4AA	SHZ/1/AA	153
SH4BB	SHZ/1/BB	153
SH4CC	SHZ/1/CC	153
SH4DD	SHZ/1/DD	153
SH4EE	SHZ/1/EE	153
SH4FF	SHZ/1/FF	153
SH4G1	SHZ/1/G1	153
SH4G2	SHZ/1/G2	153
SH4G3	SHZ/1/G3	153

CAT. NO.	TYPE	PAGE
SH4G4	SHZ/1/G4	153
SH4G5	SHZ/1/G5	153
SH4G6	SHZ/1/G6	153
SH4G7	SHZ/1/G7	153
SH4G8	SHZ/1/G8	153
SH4G9	SHZ/1/G9	153
SH4GG	SHZ/1/GG	153
SH4HH	SHZ/1/HH	153
SH4II	SHZ/1/II	153
SH4JJ	SHZ/1/JJ	153
SH4KK	SHZ/1/KK	153
SH4L1	SHZ/1/L1	153
SH4L2	SHZ/1/L2	153
SH4L3	SHZ/1/L3	153
SH4LL	SHZ/1/LL	153
SH4MM	SHZ/1/MM	153
SH4NN	SHZ/1/NN	153
SH4OO	SHZ/1/OO	153
SH4PE	SHZ/1/PE	153
SH4PEN	SHZ/1/PEN	153
SH4PP	SHZ/1/PP	153
SH4QQ	SHZ/1/QQ	153
SH4RR	SHZ/1/RR	153
SH4SS	SHZ/1/SS	153
SH4T1	SHZ/1/T1	153
SH4T2	SHZ/1/T2	153
SH4T3	SHZ/1/T3	153
SH4TT	SHZ/1/TT	153
SH4U1	SHZ/1/U1	153
SH4U2	SHZ/1/U2	153
SH4U3	SHZ/1/U3	153
SH4UU	SHZ/1/UU	153
SH4V1	SHZ/1/V1	153
SH4V2	SHZ/1/V2	153
SH4VV	SHZ/1/VV	153
SH4W1	SHZ/1/W1	153
SH4W2	SHZ/1/W2	153
SH4WW	SHZ/1/WW	153
SH4XX	SHZ/1/XX	153
SH4YY	SHZ/1/YY	153
SH4ZZ	SHZ/1/ZZ	153
SI100	SV.2 (Ex)i	99
SI101	SV/2/PT (Ex)i	125
SI200	SV.4 (Ex)i	99
SI201	SV/4/PT (Ex)i	125
SI300	SV.6 (Ex)i	100
SI301	SV/6/PT (Ex)i	125
SI400	SV.10 (Ex)i	100
SI401	SV/10/PT (Ex)i	125
SN001	SNZ/5/00	152
SN003	SNZ/7/00	152
SN004	SNZ/8/00	152
SN005	SNZ/10/00	152
SN006	SNZ/65/00	152
SN007	SNZ/60/00	152
SN008	SNZ/4/00	152
SN009	SNZ/508/00	152
SN110	SNZ/5/10	152
SN111	SNZ/5/11	152
SN119	SNZ/5/19	152
SN121	SNZ/5/21	152
SN131	SNZ/5/31	152
SN141	SNZ/5/41	152
SN151	SNZ/5/51	152
SN161	SNZ/5/61	152
SN171	SNZ/5/71	152
SN181	SNZ/5/81	152
SN191	SNZ/5/91	152
SN310	SNZ/7/10	152
SN311	SNZ/7/11	152
SN319	SNZ/7/19	152
SN321	SNZ/7/21	152
SN331	SNZ/7/31	152
SN341	SNZ/7/41	152
SN351	SNZ/7/51	152
SN361	SNZ/7/61	152
SN371	SNZ/7/71	152
SN381	SNZ/7/81	152
SN391	SNZ/7/91	152
SN410	SNZ/8/10	152
SN411	SNZ/8/11	152
SN419	SNZ/8/19	152
SN421	SNZ/8/21	152
SN431	SNZ/8/31	152
SN441	SNZ/8/41	152

CAT. NO.	TYPE	PAGE
SN451	SNZ/8/51	152
SN461	SNZ/8/61	152
SN471	SNZ/8/71	152
SN481	SNZ/8/81	152
SN491	SNZ/8/91	152
SN510	SNZ/10/10	152
SN511	SNZ/10/11	152
SN518	SNZ/4/51	152
SN519	SNZ/10/19	152
SN521	SNZ/10/21	152
SN531	SNZ/10/31	152
SN541	SNZ/10/41	152
SN551	SNZ/10/51	152
SN561	SNZ/10/61	152
SN571	SNZ/10/71	152
SN581	SNZ/10/81	152
SN591	SNZ/10/91	152
SN610	SNZ/65/10	152
SN611	SNZ/65/11	152
SN619	SNZ/65/19	152
SN621	SNZ/65/21	152
SN631	SNZ/65/31	152
SN641	SNZ/65/41	152
SN651	SNZ/65/51	152
SN661	SNZ/65/61	152
SN671	SNZ/65/71	152
SN681	SNZ/65/81	152
SN691	SNZ/65/91	152
SN710	SNZ/60/10	152
SN711	SNZ/60/11	152
SN719	SNZ/60/19	152
SN721	SNZ/60/21	152
SN731	SNZ/60/31	152
SN741	SNZ/60/41	152
SN751	SNZ/60/51	152
SN761	SNZ/60/61	152
SN771	SNZ/60/71	152
SN781	SNZ/60/81	152
SN791	SNZ/60/91	152
SN810	SNZ/4/10	152
SN811	SNZ/4/11	152
SN819	SNZ/4/19	152
SN821	SNZ/4/21	152
SN831	SNZ/4/31	152
SN841	SNZ/4/41	152
SN861	SNZ/4/61	152
SN871	SNZ/4/71	152
SN881	SNZ/4/81	152
SN891	SNZ/4/91	152
SN910	SNZ/508/10	152
SN911	SNZ/508/11	152
SN919	SNZ/508/19	152
SN921	SNZ/508/21	152
SN931	SNZ/508/31	152
SN941	SNZ/508/41	152
SN951	SNZ/508/51	152
SN961	SNZ/508/61	152
SN971	SNZ/508/71	152
SN981	SNZ/508/81	152
SN991	SNZ/508/91	152
SR300	SFR.6	33
SR300	SFR.6	43
SR300GR	SFR.6/GR	43
SR300GR	SFR.6/GR	33
SR301	SFR.6/PT	125
SR400	SFR.6 (Ex)i	33
SR400	SFR.6 (Ex)i	43
SR401	SFR.6/PT (Ex)i	125
SR500	SFR.6/M	32
SR500	SFR.6/M	42
SR500GR	SFR.6/M/GR	32
SR500GR	SFR.6/M/GR	42
SR600	SFR.6/M (Ex)i	32
SR600	SFR.6/M (Ex)i	42
SV100	SV.2	99
SV101	SV/2/PT	125
SV200	SV.4	99
SV201	SV/4/PT	125
SV300	SV.6	100
SV301	SV/6/PT	125
SV400	SV.10	100
SV401	SV/10/PT	125
TA001	TAI/6	147
TA002	TAI/12	147
TC110	TC/DIN	108

Index by Catalogue number

CAT. NO.	TYPE	PAGE
TC210	TC/DIN (Ex)i	108
TC500	TC/PO	57
TC510	TC/PO (Ex)i	57
TE110	TE.6/D	24
TE120	TEC.6/D	8
TE210	TE.16/D	25
TE220	TEC.16/D	8
TE310	TE.50/D	25
TE320	TEC.35/D	9
TE400	TED.4	24
TE500	TE.10/D	24
TE510	TEC.10/D	8
TE820	TEC.70/D	9
TIM02	TIM	155
TL100	TLS.2	30
TL100GR	TLS.2/GR	30
TL101	TLS/PT	125
TL101GR	TLS/PT/GR	125
TL110	TLS.2/U	30
TL120	TLS.2/T	30
TL200	TLD.2	31
TL200GR	TLD.2/GR	31
TL201	TLD/PT	125
TL201GR	TLD/PT/GR	125
TL300	TLD.2 (Ex)i	31
TL301	TLD/PT (Ex)i	125
TL400	TLE.2	31
TL400GR	TLE.2/GR	31
TL500	TDE.2	31
TL500GR	TDE.2/GR	31
TO110	TE.6/O	24
TO120	TEC.6/O	8
TO210	TE.16/O	25
TO220	TEC.16/O	8
TO310	TE.50/O	25
TO320	TEC.35/O	9
TO430	TEO.4	23
TO431	TEO.4/PT	125
TO500	TE.10/O	24
TO510	TEC.10/O	8
TO510	TEC.70/O	9
TO901	TEO.2/PT	125
TO910	TEO.2	23
TP100	TPL.4	65
TP200	TPL.4/PS	66
TP210	TPL.4/PS/A	66
TP220	TPL.4/PS/B	66
TQM02	TQM/02	147
TQM04	TQM/04	147
TQM12	TQM/12	147
TQM13	TQM/13	147
TQM14	TQM/14	147
TQM15	TQM/15	147
TR110	TR.2	63
TR111	TR.2/PT	125
TR200	TR.4	63
TSA03	TSA/3	155
TSA06	TSA/6	155
TSA10	TSA/10	155
TSA12	TSA/12	155
TT300	TTN.35	25
TTM04	TTM/04	147
TTM12	TTM/12	147
TTM13	TTM/13	147
TTM14	TTM/14	147
TTM15	TTM/15	147
TUM05	TUM/05	147
TUM06	TUM/06	147
TUM07	TUM/07	147
TUM08	TUM/08	147
TUM16	TUM/16	147
UMCT3127	UMPU02510	156
UMCT3128	UMPI4060	156
UMCT3129	UMPI1525	156
UMCT3149	UMCT	156
UMCT3153	UMPU1625	156
UMCT3154	UMPU3550	156
VL103	CO/5	154
VL200	VLM.10	106
VL201	VLM/PT	125
VL300	VL.16	106
VL400	VLM.10/O	106
VL500	VL.16/O	107
VL510	VL.16/O-R	107
VL520	VL.16/O-M	107

CAT. NO.	TYPE	PAGE
VP101	VPC/PT	125
VP101	VPC/PT	58
VP101GR	VPC/PT/GR	125
VP102	VPC/NT	58
VP201	VPC/PT (Ex)i	125
VP300	VPC.2	58
VP300GR	VPC.2/GR	58
VP303	VPC/PTF	58
VP310	VPC.2 (Ex)i	58
VP320	VPC.2/GV	58
VP400	VPC.2 (Ex)i/D	58
VP500	VPD.2	59
VP500GR	VPD.2/GR	59
VP501	VPD/PT	125
VP501GR	VPD/PT/GR	125
VP560	VPD.2 (Ex)i	59
VP561	VPD/PT (Ex)i	125
VP902	VPC/F02	58
VP903	VPC/F03	58
VP904	VPC/F04	58
VP905	VPC/F05	58
VP906	VPC/F06	58
VP907	VPC/F07	58
VP908	VPC/F08	58
VP909	VPC/F09	58
VP910	VPC/F10	58
VP911	VPC/F11	58
VP912	VPC/F12	58
VP913	VPC/F13	58
VP914	VPC/F14	58
VP915	VPC/F15	58
VP916	VPC/F16	58
WP30002	WP5-14	157
WP30005	WP75-14	157
WP30009	WP1-14	157
WP30013	WP15-14	157
WP30016	WP25-14	157
WP30019	WP40-16	157
WP30022	WP60-20	157
WP30024	WP100-21	157
WP30026	WP160-22	157
WP30028	WP250-29	157
WP30030	WP350-30	157
WP30032	WP500-40	157
WP90001	WPD05/15	157
WP90002	WPD75/15	157
WP90003	WPD01/15	157
WP90004	WPD15/16	157
WP90005	WPD25/18	157
WP90006	WPD04/23	157
WPF5001	WPF5030/R	159
WPF5002	WPF5035/R	159
WPF5003	WPF5040/R	159
WPF5004	WPF5050/R	159
WPF5005	WPF5060/R	159
WPF5006	WPF7530/R	159
WPF5007	WPF7535/R	159
WPF5008	WPF7540/R	159
WPF5009	WPF7550/R	159
WPF5010	WPF7560/R	159
WPF5011	WPF10030/R	159
WPF5012	WPF10035/R	159
WPF5013	WPF10040/R	159
WPF5014	WPF10050/R	159
WPF5015	WPF10060/R	159
WPF5016	WPF15030/R	159
WPF5017	WPF15035/R	159
WPF5018	WPF15040/R	159
WPF5019	WPF15050/R	159
WPF5020	WPF15060/R	159
WPF5021	WPF25030/B	159
WPF5022	WPF25035/B	159
WPF5023	WPF25040/B	159
WPF5024	WPF25050/B	159
WPF5025	WPF25060/B	159
WPF5026	WPF40040/Y	159
WPF5027	WPF40050/Y	159
WPF5028	WPF40060/Y	159
WPF5029	WPF40080/Y	159
WPF5030	WPF60040/Y	159
WPF5031	WPF60050/Y	159
WPF5032	WPF60060/Y	159
WPF5033	WPF60080/Y	159
WPO4001	WPO5030/Y	158
WPO4002	WPO5035/Y	158

CAT. NO.	TYPE	PAGE
WPO4003	WPO5040/Y	158
WPO4004	WPO5050/Y	158
WPO4005	WPO5060/R	158
WPO4006	WPO5080/R	158
WPO4007	WPO7530/R	158
WPO4008	WPO7535/R	158
WPO4009	WPO7540/R	158
WPO4010	WPO7550/R	158
WPO4011	WPO7560/R	158
WPO4012	WPO7580/R	158
WPO4013	WPO10030/R	158
WPO4014	WPO10035/R	158
WPO4015	WPO10040/R	158
WPO4016	WPO10050/R	158
WPO4017	WPO10060/R	158
WPO4018	WPO10080/R	158
WPO4019	WPO15030/R	158
WPO4020	WPO15035/R	158
WPO4021	WPO15040/R	158
WPO4022	WPO15050/R	158
WPO4023	WPO150600/R	158
WPO4024	WPO15080/R	158
WPO4025	WPO150100/R	158
WPO4026	WPO25030/B	158
WPO4027	WPO25035/B	158
WPO4028	WPO25040/B	158
WPO4029	WPO25050/B	158
WPO4030	WPO25060/B	158
WPO4031	WPO25080/B	158
WPO4032	WPO250100/B	158
WPO4033	WPO40040/Y	158
WPO4034	WPO40050/Y	158
WPO4035	WPO40060/Y	158
WPO4036	WPO40080/Y	158
WPO4037	WPO4001000/Y	158
WPO4038	WPO400120/Y	158
WPO4039	WPO60040/Y	158
WPO4040	WPO60050/Y	158
WPO4041	WPO60060/Y	158
WPO4042	WPO60080/Y	158
WPO4043	WPO600100/Y	158
WPO4044	WPO600120/Y	158
Z121017	ACI121017	127
Z121019	ACI121019	127
Z121026	ACI121026	132
Z121116	ACI121116	129
Z121118	ACI121118	132
Z121119	ACI121119	132
Z121121	ACI121121	132
Z121123	ACI121123	132
Z121211	ACI121211	132
Z121212	ACI121212	132
Z121213	ACI121213	131
Z121214	ACI121214	131
Z121215	ACI121215	131
Z121216	ACI121216	131
Z121217	ACI121217	131
Z121218	ACI121218	131
Z121219	ACI121219	131
Z121221	ACI121221	132
Z121228	ACI121228	129
Z121301	ACI121301	129
Z121307	ACI121307	132
Z121311	ACI121311	129
Z121314	ACI121314	129
Z121316	ACI121316	130
Z121317	ACI121317	130
Z121318	ACI121318	130
Z121319	ACI121319	130
Z121410	ACI121410	130
Z121415	ACI121415	129
Z121421	ACI121421	132

Rail assembly composition guide

Upon request, pre-assembled rail assemblies having standard configuration can be supplied on the basis of continual purchases. For the composition, please use the table below, also valid as a simple offer request.

GENERAL INFORMATION	
Company	
Address	
Telephone	Fax
E-mail	
Contact person	

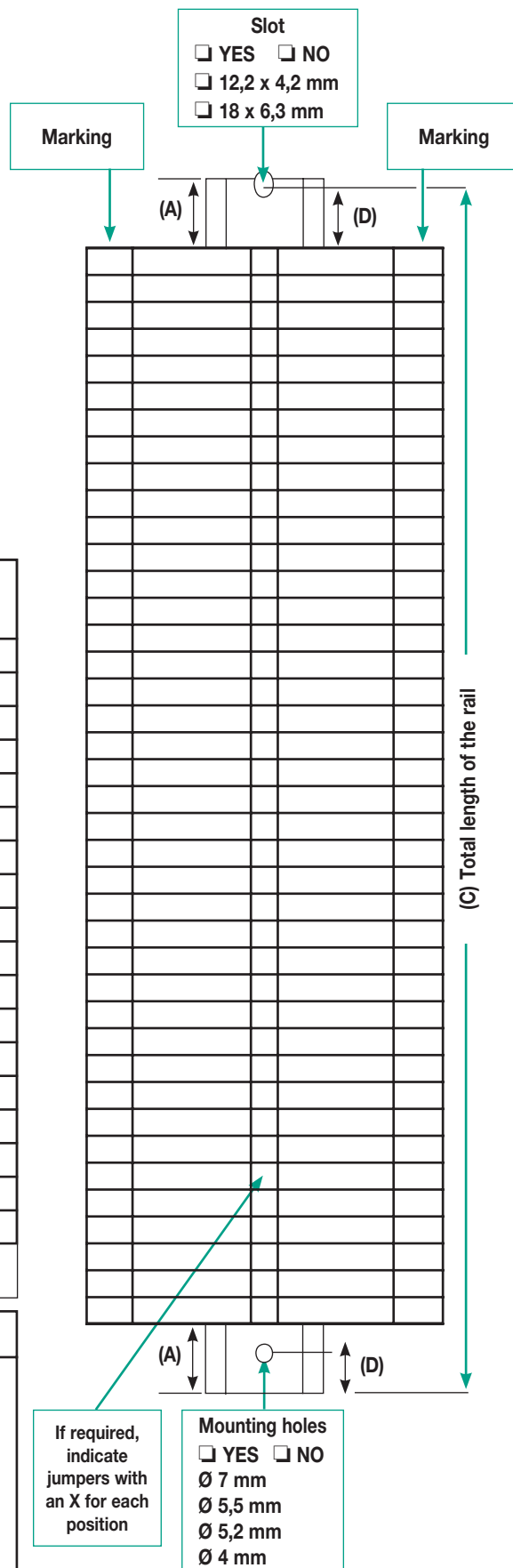
LIST OF MATERIALS

Type of mounting rail _____ Cat. No. _____

[illegible]

(B) Total length (mm)

Computing the total length of the rail (c)	
(A) Distance from the rail edge (mm)	
(B) Total length of components (mm)	
(C) Total length of mounting rail (mm)	
(D) Slot or hole centring (mm)	
No. of rail assemblies required	
Date of request	



Please highlight all exact positions for each terminal board and accessory selected, including terminal blocks, partitions, cross connections, assembly tolerances etc. For assistance, please contact Cabur.