

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/CI	page 26
DAS.4 - DAS.4/CI	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
DSF.4/GR	page 34
MPFA.4 - DSFA.4	page 35
CPF/5 component-holder cartridge	page 36
FPC.10 - FPL.10/C - FPL.10/L	page 37
SFR.4/C	page 38
SFO.4/C	page 39

Disconnect terminal blocks

MPS.2/SW - MPS.2/SWP - MPS.2/SV	page 40
MPS.4 - MPS.4/VS - DSS.4	page 41
SFR.4 - SFR.4/VS	page 42
SFO.4 - SFO.4/VS - SFR.6/M	page 43
SFR.6 - FPC.10 - SCB.4	page 44

Terminal blocks for test and measurement circuits

Serie SCB.6	page 46
Serie SCB.10	page 47

Diode-holder terminal blocks

SFR.4	page 48
SFR.4/D	page 49

Terminal blocks with electronic components

DAS.4/D	pages 50-51
DAS.4/V	page 52
DAS.4/	page 53

Terminal blocks with special connections and for connectors

AFO.2/1+1 - AFO.2/2+2 - AFO.2/2+2/TP	page 54
PDF.2 - FDP.2 - CVF.4	page 55
CVF.4/	page 56
CF.12/1+1	page 57
CF.12/2+2	page 58
TC/PO (for thermocouple circuits)	page 59
VPC.2	page 60
VPD.2	page 61
MAC - CAM system	pages 62-63

Mini-terminal blocks

RN.1 - RN.2 - RP.4	page 64
RFI.2 - TR.2 - TR.4	page 65

Multi-pole modular terminal boards

BPL - TPL series	pages 66-68
----------------------------	-------------

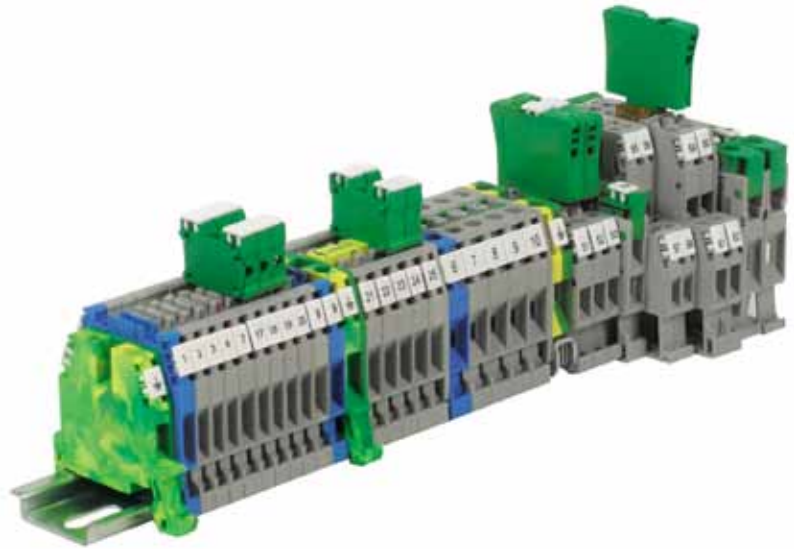
Neutral disconnect terminal blocks

CNT series	page 69
----------------------	---------

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
- **CESI 08 ATEX 061 U** Ex e certificate
I M2 / II 2 G D
operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U** Ex e II



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.



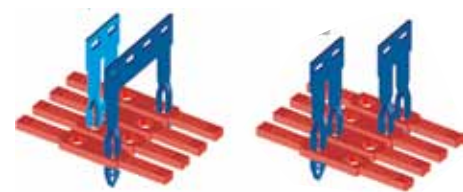
1

2

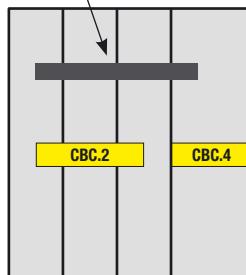
3

4

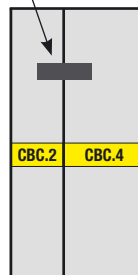
5



Multi-pole CBC.2 cross-connection



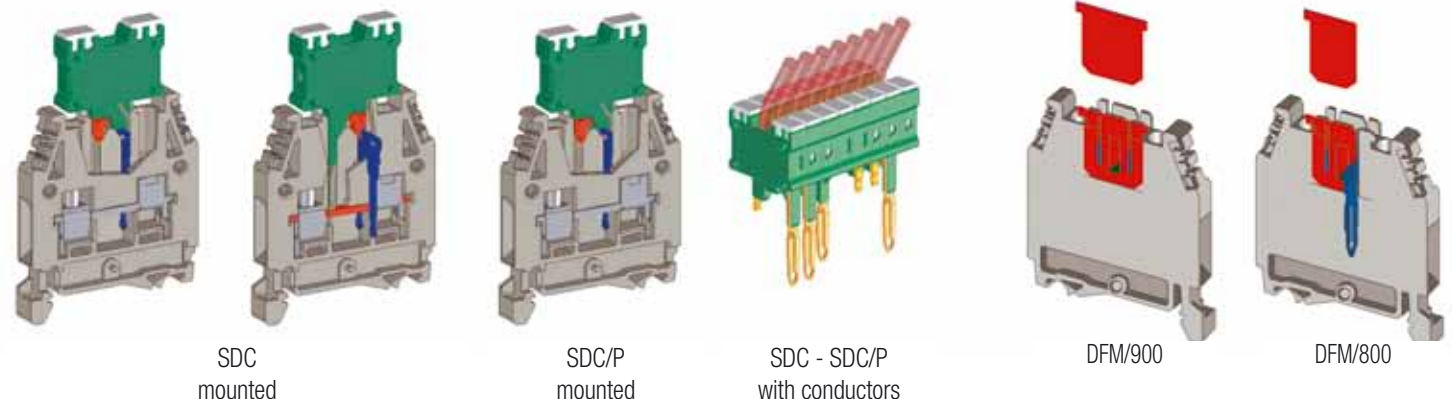
2 pole CBC.2 cross-connection



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.

- 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.



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
- **CESI 08 ATEX 061 U Ex e** certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U Ex e II**



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

The /GR tag indicates the grey colour version.

Values in brackets are referred to the Ex e application

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 (400)	630 (400)	1000 (400)	500 (320)	500 (320)
CBC.4	PTC/4	630 (320)	500 (320)	800 (320)	500 (320)	500 (320)
CBC.6	PTC/6	630 (320)	630 (320)	800 (320)	630 (250)	630 (250)

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	UL
rated voltage / rated current / AWG / tightening torque value	
max current (*)	
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

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 / 32 A (4 mm ²) / A3	
600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	
27 A (2,5 mm ²) / 37 A (4 mm ²)	
500	
12 KV / 3	
9	
0,4 / 0,8	
52 / 44 / 5	
60 / 44 / 5	

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 / 41 A (6 mm ²) / A4	
600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	
38 A (4 mm ²) / 45 A (6 mm ²)	
500	
12 KV / 3	
10	
0,5 / 1,2	
52 / 44 / 6	
60 / 44 / 6	

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 / 57 A (10 mm ²) / A5	
600 V / 50 A / 20-8 AWG / 1,7 Nm	
53 A (6 mm ²) / 64 A (10 mm ²)	
500	
12 KV / 3	
10	
0,8 / 1,4	
52 / 44 / 8	
60 / 44 / 8	

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (same, Ex e version)	(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/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 / (21)	
PTC/SP	PTC0990
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
SDC/5 - SDC/5P	DC005-DC05P
SDC/POL	DCPOL
-	-
CNU/8/51	NU0851
PRP/7/G (100 mm)	PRP070G
-	-
CNU/8/51	NU0851
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 (42 poles)	PTC0400
32 / (25)	
PTC/SP	PTC0990
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
SDC/6 - SDC/6P	DC006-DC06P
SDC/POL	DCPOL
-	-
CNU/8/61	NU0861
PRP/7/G (100 mm)	PRP070G
-	-
CNU/8/51	NU0851
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 (31 poles)	PTC0600
41 / (35)	
PTC/SP	PTC0990
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
-	-
-	-
CNU/8/51	NU0851
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
- **CESI 08 ATEX 061 U** Ex e certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U** Ex e II



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

Values in brackets are referred to the Ex e application

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 (250)	630 (320)		800 (250)	800 (250)	630 (250)
CBC.16	PTC/10	(320)	(320)		(500)	-	-
CBC.35	PTC/10	(250)	-		(630)	-	-

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm

CBC.10/GR	
CBC.10	
CBC.10 (Ex)i	
Cat. No.	CBC10GR
Cat. No.	CBC10
Cat. No.	CBI10
feed-through	10
flexible	1,5 ÷ 16
rigid	1,5 ÷ 16
max. flexible with ferrule	10 - WP100/21
rated voltage / rated current / gauge	1000 V / 76 A (16 mm²) / B6
rated voltage / rated current / AWG / tightening torque value	600 V / 65 A / 14-6 AWG / 1,9 Nm
max current (*)	70 A (10 mm²) / 85 A (16 mm²)
(Ex e) rated voltage	400
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length	12
tightening torque value (test / max)	1,2 / 1,9
height / width / thickness	52 / 44 / 10
height / width / thickness	60 / 44 / 10

CBC.16/GR	
CBC.16	
CBC.16 (Ex)i	
Cat. No.	CBC16GR
Cat. No.	CBC16
Cat. No.	CBI16
feed-through	25
flexible	1,5 ÷ 25
rigid	1,5 ÷ 25
max. flexible with ferrule	16 - WP160/22
rated voltage / rated current / gauge	1000 V / 101 A (25 mm²) / B7
rated voltage / rated current / AWG / tightening torque value	600 V / 100 A / 16-3 AWG / 2,8 Nm
max current (*)	95 A (16 mm²) / 114 A (25 mm²)
(Ex e) rated voltage	500
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length	15
tightening torque value (test / max)	2 / 3
height / width / thickness	56 / 47 / 12
height / width / thickness	64 / 47 / 12

CBC.35/GR	
CBC.35	
CBC.35 (Ex)i	
Cat. No.	CBC35GR
Cat. No.	CBC35
Cat. No.	CBI35
feed-through	50
flexible	2,5 ÷ 50
rigid	2,5 ÷ 50
max. flexible with ferrule	35 - WP350/30
rated voltage / rated current / gauge	1000 V / 150 A (50 mm²) / B9
rated voltage / rated current / AWG / tightening torque value	600 V / 125 A / 20-1 AWG / 8,47 Nm
max current (*)	134 A (35 mm²) / 160 A (50 mm²)
(Ex e) rated voltage	630
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length	18
tightening torque value (test / max)	2,5 / 5
height / width / thickness	63 / 56 / 16
height / width / thickness	71 / 56 / 16

APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (*)	intrinsicly IPXXB protected once mounted
Rated current carrying capacity of jumper	(same, Ex e version) (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	
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 / (47)	
PTC/SP	PTC0990
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
-	-
-	-
PRP/7/G (100 mm)	PRP070G
-	-
CNU/8/51	NU0851
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
(PFX/53)	(PFX53)
(same, Ex e version)	
76 / (76)	
-	-
POS/53	POS53
PMP/05	PMP05
CPM/53 (CPX/53)	CPM53 (CPX53)
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	-
-	-
-	-
TUM/16 on 3 and 4	TUM16
-	-
PRP/7	PRP07
CNU/8/51	NU0851
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
PFX/06	(PFX06)
(same, Ex e version)	
125 / (125)	
-	-
-	-
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 4	TUM06
-	-
PRP/8	PRP08
CNU/8/51	NU0851
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



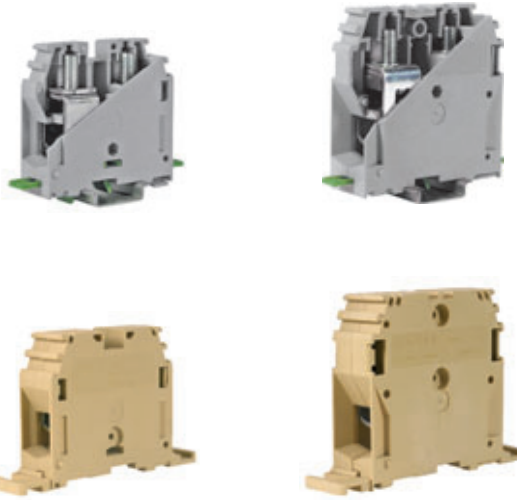
The /GR tag indicates the grey colour version.

grey version	CBR.2/GR	Cat. No.	CR110GR
beige version	CBR.2	Cat. No.	CR110
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through (2 inputs / 2 outputs)		
rated cross-section (mm ²)	2,5		
connecting capacity			
flexible (mm ²)	0,2 ÷ 4		
rigid (mm ²)	0,2 ÷ 4		
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14		
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3		
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 15 A / 20-14 AWG / 5,5 lb.in		
rated impulse withstand voltage / pollution degree	-		
insulation stripping length (mm)	8 KV / 3		
tightening torque value (test / max) (Nm)	8 (upper) / 14,5 (lower)		
height / width / thickness TH/35 7,5 mm	0,4 / 0,8		
height / width / thickness TH/35 15 mm	52 / 43 / 5		
height / width / thickness G32	60 / 43 / 5		
	56 / 43 / 5		
<div style="display: flex; justify-content: space-around; align-items: center;">     </div>			
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			
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		
-			
-			
-			
-			
PRP/5	PRP05		
CNU/8/51	NU0851		
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



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

The /GR tag indicates the grey colour version.

grey version	
beige version	
grey panel-mount version	
beige panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
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)	

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.	

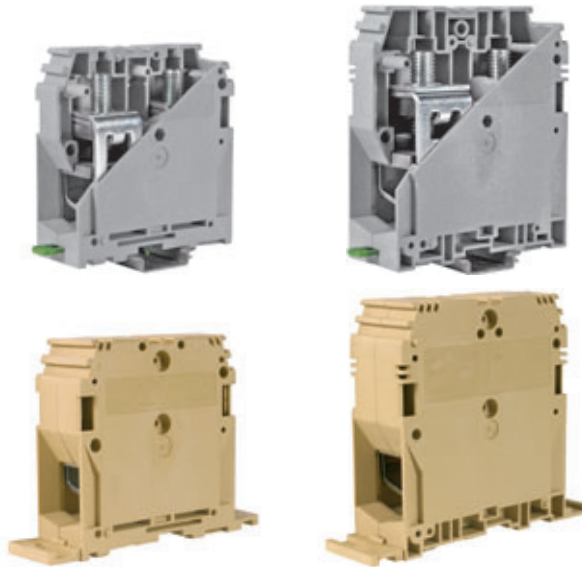
GPA.70/GR	
	Cat. No. GA400GR
GPA.70	
	Cat. No. GA400
GPA.70/FIX/GR	
	Cat. No. GF400GR
GPA.70/FIX	
	Cat. No. GF400
feed-through	70
	10 ÷ 95
	10 ÷ 95
	-
	1000 V / 192 A / B11
	1000 V / 215 A / 8 AWG str. ÷ 4/0 AWG str. / 79,5 lb.in
	12 KV / 3
	25
	-
	6 / 9 (Allen screw, 4 mm wrench)
	70 / 91 / 20,5
	78 / 91 / 20,5
	75 / 91 / 20,5
	75 / 102 (88) / 20,5
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
-	-
PRP/08	PRP08
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
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.95/GR	
	Cat. No. GA100GR
GPA.95	
	Cat. No. GA100
GPA.95/FIX/GR	
	Cat. No. GF100GR
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
Type	Cat. No.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
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 (mm ²)	
connecting capacity	
flexible (mm ²)	
rigid (mm ²)	
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/GR Cat. No. GF200GR
GPA.150/FIX Cat. No. GF200

GPA.240/GR Cat. No. GA300GR
GPA.240 Cat. No. GA300
GPA.240/FIX/GR Cat. No. GF300GR
GPA.240/FIX Cat. No. GF300

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

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.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
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.
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
-	-
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

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 Cat. No. T0120	TEC.10/O Cat. No. T0510	TEC.16/O Cat. No. T0220
version to be mounted onto PR/DIN rail	TEC.6/D Cat. No. TE120	TEC.10/D Cat. No. TE510	TEC.16/D Cat. No. TE220
TECHNICAL CHARACTERISTICS			
function / type	earth terminal block	earth terminal block	earth terminal block
rated cross-section (mm ²)	6	10	16
connecting capacity			
flexible (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
tensione nom. / corrente nom. / calibre sec. IEC 60947-7-2	- / 41 A / A5	- / 57 A / B6	- / 76 A / B7
rated voltage / rated current / AWG (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 / max) (Nm)	0,8 / 1,4	1,2 / 1,9	-
height / width / thickness TH/35 7,5 mm	52 / 44 / 8	52 / 44 / 10	56 / 47 / 12
height / width / thickness TH/35 15 mm	60 / 44 / 8	60 / 44 / 10	64 / 47 / 12
height / width / thickness G32	53 / 44 / 8	53 / 44 / 10	57 / 47 / 12

APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	-	-	-	-	-	-
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
Numbering strip	-	-	CSC	CS...	CSC	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-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
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/3/AS same with slots	PR004	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/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

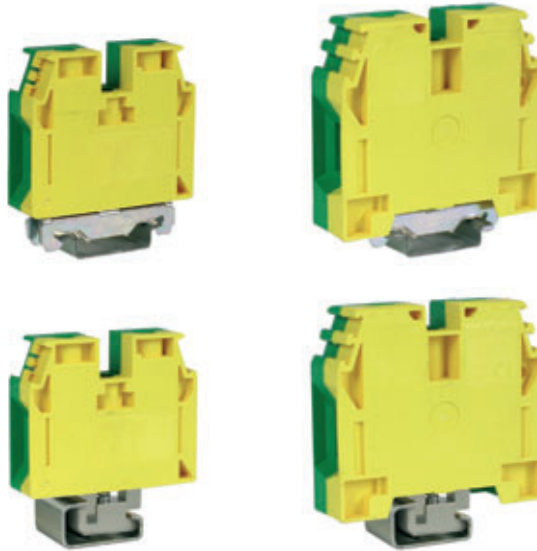
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	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

- 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
Cat. No. **T0320**

TEC.70/0
Cat. No. **T0810**

version to be mounted onto PR/DIN rail

TEC.35/D
Cat. No. **TE320**

TEC.70/D
Cat. No. **TE820**

TECHNICAL CHARACTERISTICS	
function / type	earth terminal block
rated cross-section (mm ²)	35
connecting capacity	
flexible (mm ²)	2,5 ÷ 50
rigid (mm ²)	2,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 125 A / B9
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	18
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	63 / 56 / 16
height / width / thickness TH/35 15 mm	71 / 56 / 16
height / width / thickness G32	64 / 56 / 16

function / type	earth terminal block
rated cross-section (mm ²)	35
connecting capacity	
flexible (mm ²)	2,5 ÷ 50
rigid (mm ²)	2,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 125 A / B9
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	18
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	63 / 56 / 16
height / width / thickness TH/35 15 mm	71 / 56 / 16
height / width / thickness G32	64 / 56 / 16

function / type	earth terminal block
rated cross-section (mm ²)	71
connecting capacity	
flexible (mm ²)	10 ÷ 95
rigid (mm ²)	10 ÷ 95
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 192 A / B11
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	25
tightening torque value (test / max) (Nm)	6 / 9 (vite cava esag. chiave 4 mm)
height / width / thickness TH/35 7,5 mm	74 / 70 / 20,5
height / width / thickness TH/35 15 mm	81,5 / 70 / 20,5
height / width / thickness G32	75 / 70 / 20,5

APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES

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

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	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/3/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.
-	-
CNU/8/51	NU0851
CSC	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/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

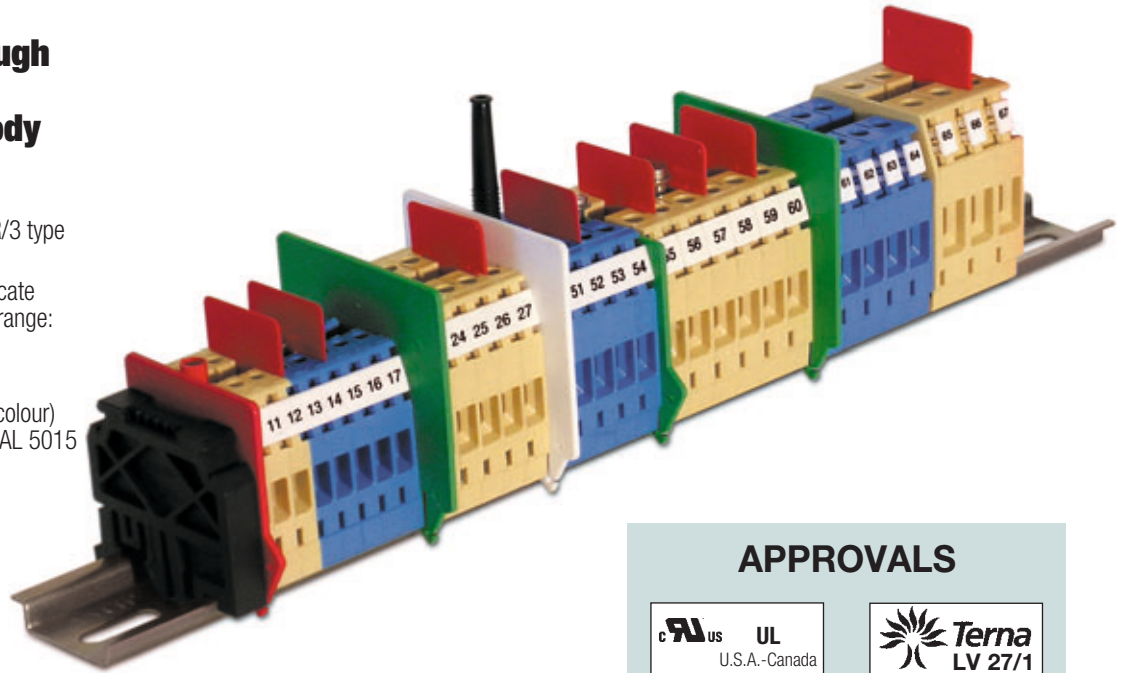
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	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** (Ex) certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U Ex e II**
- 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

UL
U.S.A.-Canada

Terna
LV 27/1

KEMA - KEUR
The Netherlands

CESI ATEX Ex e
Italy

Enel
Distribuzione DV 27/1

BBJ-SEP
Poland

R.I.N.A.
Italy

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.

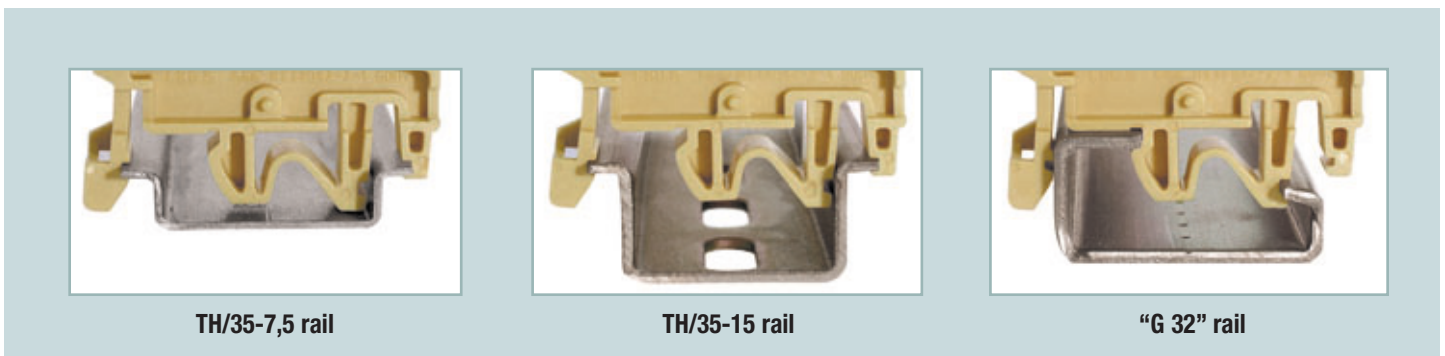
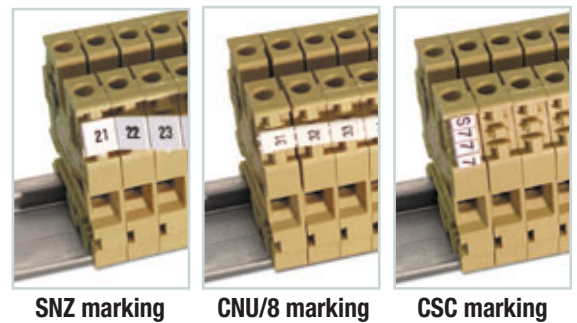
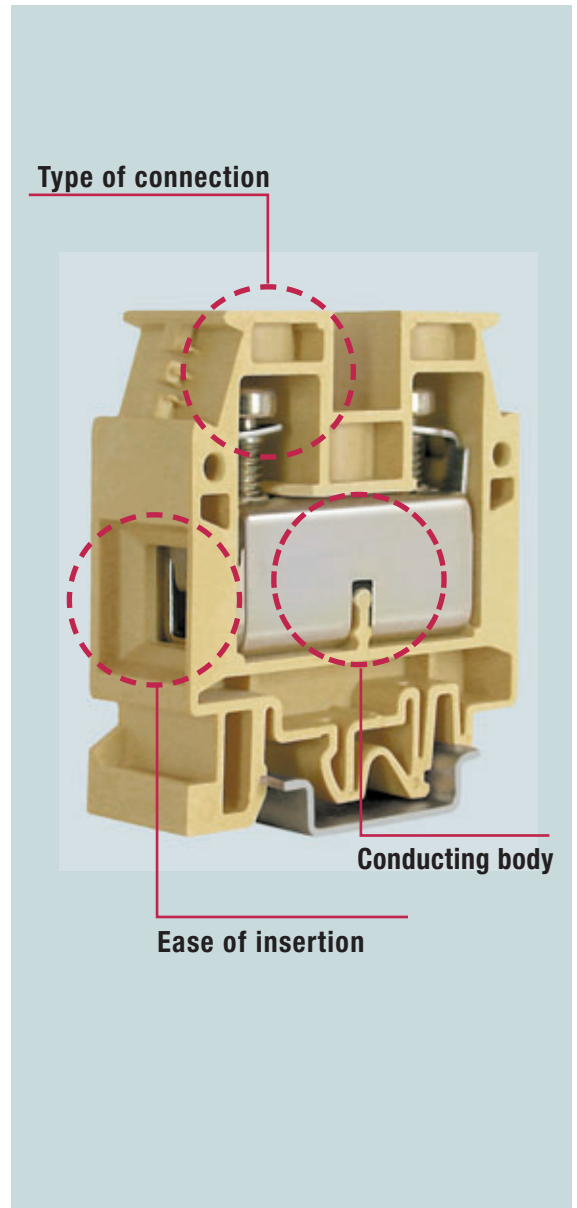
other functions:

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).

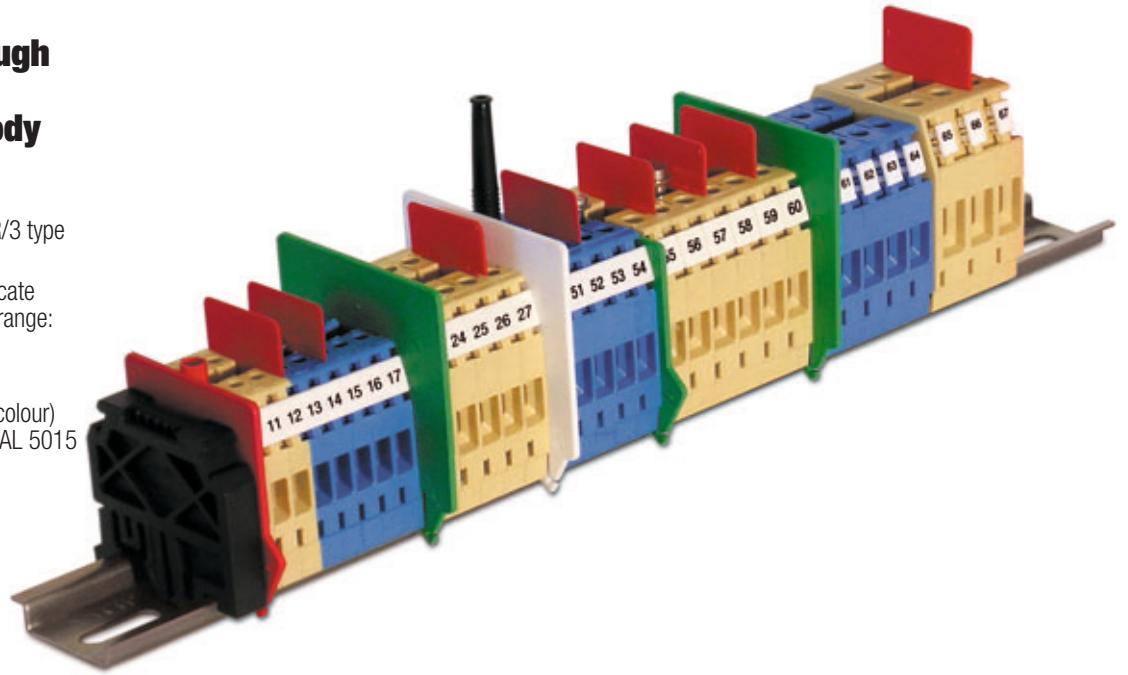
mounting: CBD series polyamide terminal blocks are designed to be mounted on two types of rail, “G32” or “TH/35” (acc. to the IEC 60715), with obvious advantages towards supply, management and use in general of the product.



CBD Series

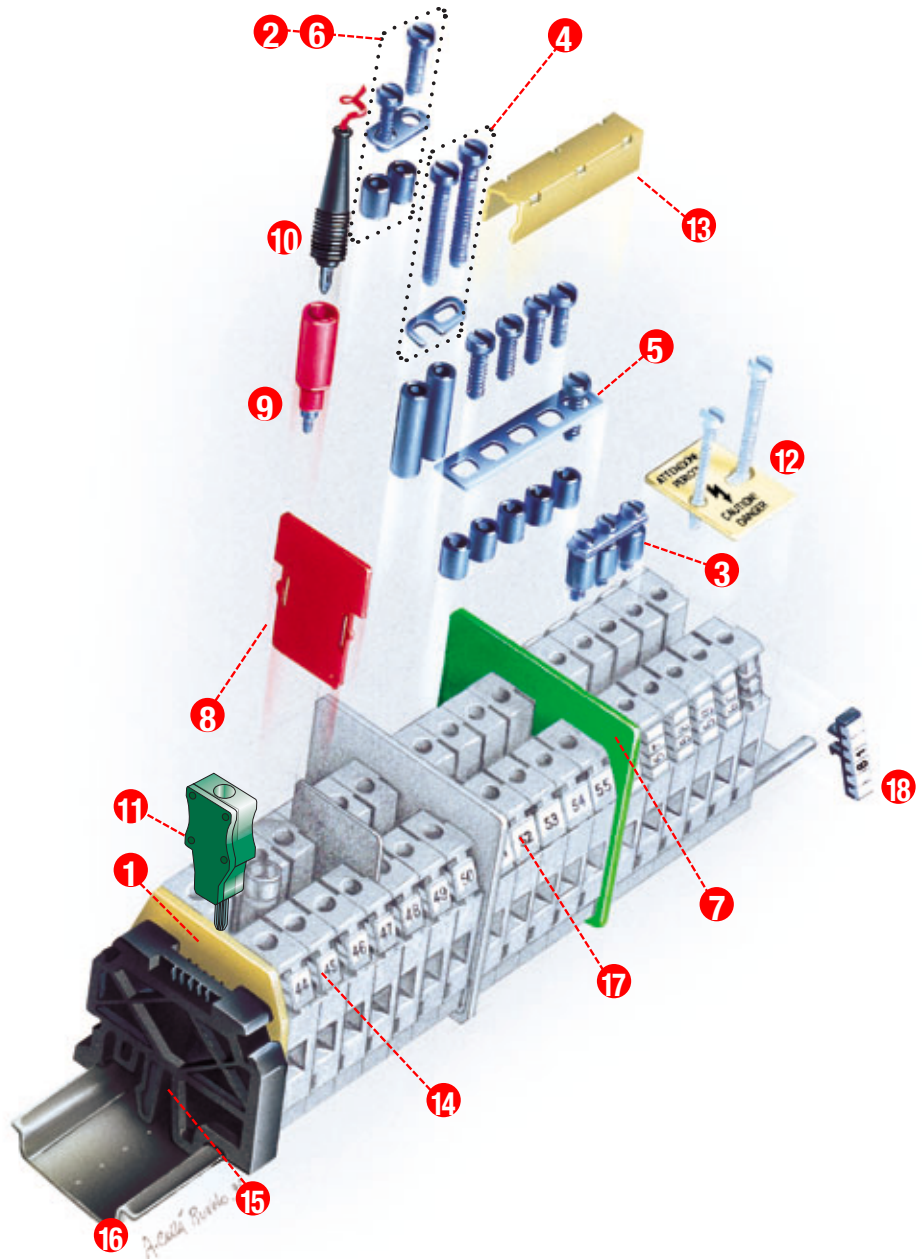
Screw-clamp feed-through terminal blocks with polyamide insulating body

- 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 (Ex) certificate I M2 / II 2 G D operating temperature range: $-40 \div +80$ °C
- **CoC IEC Ex CES 09.0009U** Ex e II
- 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
- **CoC IEC Ex CES 09.0009U** Ex e II
- 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	(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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

CBD.2	
Cat. No.	CB110
CBD.2 (Ex)i	
Cat. No.	CBX12
feed-through	2,5
flexible	0,5 ÷ 4
rigid	0,5 ÷ 4
max. flexible with ferrule	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A (*) / 20-12 AWG / 5,5 lb.in
UL (Ex e) rated voltage	/ (V)
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
tightening torque value (test / max)	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

CBD.4	
Cat. No.	CB240
CBD.4 (Ex)i	
Cat. No.	CBX24
feed-through	4
flexible	0,5 ÷ 6
rigid	0,5 ÷ 6
max. flexible with ferrule	4 - WP40/16
rated voltage / rated current / gauge	800 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value	600 V / 30 A (**) / 20-10 AWG / 8,9 lb.in
UL (Ex e) rated voltage	/ (V)
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	14
tightening torque value (test / max)	0,5 / 1,2
height / width / thickness	52 / 44 / 6,5
height / width / thickness	60 / 44 / 6,5
height / width / thickness	56 / 44 / 6,5

CBD.6	
Cat. No.	CB340
CBD.6 (Ex)i	
Cat. No.	CBX34
feed-through	6
flexible	0,5 ÷ 10
rigid	0,5 ÷ 10
max. flexible with ferrule	6 - WP60/20
rated voltage / rated current / gauge	800 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value	600 V / 50 A / 20-8 AWG / 13,3 lb.in
UL (Ex e) rated voltage	/ (V)
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	14
tightening torque value (test / max)	0,8 / 1,4
height / width / thickness	52 / 44 / 8
height / width / thickness	60 / 44 / 8
height / width / thickness	56 / 44 / 8

APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper (same, Ex e version)	(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	

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 / (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
-	-
TQM/02 su 4	TQM02
-	-
PRP/6	PRP06
CNU/8/51	NU0851
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/SH (*)	CB009

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 / (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
-	-
TQM/12 su 3 e su 4	TTM12
-	-
PRP/6	PRP06
CNU/8/51	NU0851
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/SH (*)	CB009

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 / (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
-	-
TTM/15 su 3	TTM15
TQM/15 su 4	TQM15
PRP/7	PRP07
CNU/8/51	NU0851
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/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
- **CoC IEC Ex CES 09.0009U** Ex e II
- 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)



(* 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	(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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

CBD.10	Cat. No.	CB440
---------------	----------	--------------

CBD.10 (Ex)i	Cat. No.	CBX45
---------------------	----------	--------------

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	



CBD.16	Cat. No.	CB510
---------------	----------	--------------

CBD.16 (Ex)i	Cat. No.	CBX52
---------------------	----------	--------------

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	



CBD.35	Cat. No.	CB610
---------------	----------	--------------

CBD.35 (Ex)i	Cat. No.	CBX62
---------------------	----------	--------------

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	



ACCESSORIES

End sections	beige blue
Permanent cross connection	
Rated current carrying capacity of jumper (same, Ex e version)	(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	

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 / (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
-	
-	
-	
TTM/04 on 3	TTM04
TQM/04 on 4	TQM04
PRP/7	PRP07
CNU/8/51	NU0851
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/SH (*)	CB009

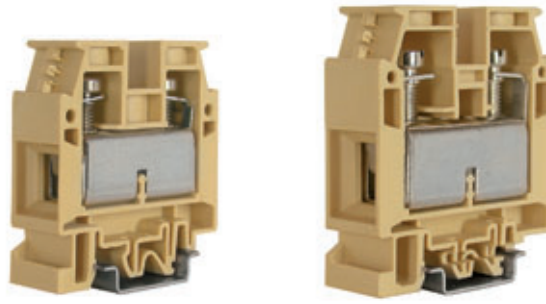
Type	Cat. No.
CB16/PT	CB511
CB16/PT (Ex)i	CBX53
POF/44 (PFX/44)	POF44 (PFX44)
(same, Ex e version)	
76 / (76)	
POS/44	POS44
PMP/05	PMP05
CPM/44 (CPX/44)	CPM44 (CPX44)
DFU/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	
-	
-	
TUM/05 on 3 and on 4	TUM05
PRP/7	PRP07
CNU/8/51	NU0851
BTU for PR/DIN and 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
-	

Type	Cat. No.
CB35/PT	CB611
CB35/PT (Ex)i	CBX63
POF/06 (PFX/06)	POF06 (PFX06)
(same, Ex e version)	
125 / (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/8/51	NU0851
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 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
- **CoC IEC Ex CES 09.0009U** Ex e II
- 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)



(*): 150 A factory wiring only

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 / max)	(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 (same, Ex e version)	(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 / (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/8/51	NU0851
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 / (155)	
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/8/51	NU0851
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:

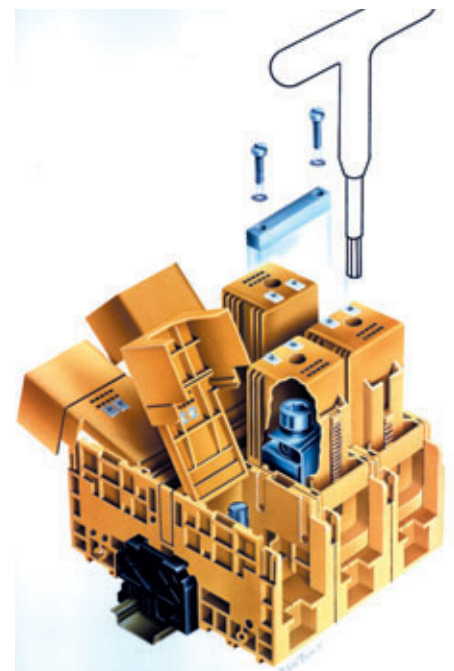
- **protection for the "bar" versions:** this protection, which in normal installation conditions is in a longitudinal position in respect to the axis of the terminal block, can be easily rotated with the simple aid of a screwdriver (as mentioned in the safety regulations). In this way, access can be 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 dismantling 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

(* distance between the cable lug fixing screw axis and the conducting body: 10 mm

(* distance between the cable lug fixing screw axis and the conducting body: 12 mm

(* distance between the cable lug fixing screw axis and the conducting body: 15 mm

standard version	
panel-mount version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
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)	

GPM.95/BB	
Cat. No.	GP100
GPM.95/BB/FIX	
Cat. No.	GP110
feed-through	
95	
-	
-	
22 mm maximum width (M8 bolt) (*)	
1000 V / 269 A / -	
-	
12 KV / 3	
-	
6 / 9 (13 mm wrench)	
81 / 176 / 32	
88 / 176 / 32	
85 / 176 / 32	
76 / 176 (158) / 32	

GPM.150/BB	
Cat. No.	GP400
GPM.150/BB/FIX	
Cat. No.	GP410
feed-through	
150	
-	
-	
32 mm maximum width (M10 bolt) (*)	
1000 V / 353 A / -	
-	
12 KV / 3	
-	
10 / 15 (17 mm wrench)	
81 / 200 / 42	
88 / 200 / 42	
85 / 200 / 42	
76 / 200 (158) / 42	

GPM.240/BB	
Cat. No.	GP700
GPM.240/BB/FIX	
Cat. No.	GP710
feed-through	
240	
-	
-	
40 mm maximum width (M12 bolt) (*)	
1000 V / 452 A / -	
-	
12 KV / 3	
-	
14 / 21 (19 mm wrench)	
89 / 250 / 52	
96 / 250 / 52	
93 / 250 / 52	
84 / 250 (172) / 52	

APPROVALS



UL, cUL, ATEX and IEC Ex pending



UL, cUL, ATEX and IEC Ex pending



UL, cUL, ATEX and IEC Ex pending

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.	

Type	Cat. No.
-	-
POF/95/2 poles	P0952
POF/95/3 poles	P0953
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
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.
-	-
POF/150/2 poles	P0152
POF/150/3 poles	P0153
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
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.
-	-
POF/240/2 poles	P0242
POF/240/3 poles	P0243
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
ACI121213	Z121213
ACI121024	Z121024
CNU/8/51	NU0851
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 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	GPM.95/BC Cat. No. GP200	GPM.150/BC Cat. No. GP500	GPM.240/BC Cat. No. GP800
panel-mount version	GPM.95/BC/FIX Cat. No. GP210	GPM.150/BC/FIX Cat. No. GP510	GPM.240/BC/FIX Cat. No. GP810
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm ²)	95	150	240
connecting capacity			
flexible (mm ²)	35 ÷ 120	50 ÷ 185	95 ÷ 300
rigid (mm ²)	25 ÷ 120	35 ÷ 185	95 ÷ 300
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)
rated voltage / rated current / gauge	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16
rated voltage / rated current / AWG	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	35	35	43
tightening torque value –bar (test / recommended) (Nm)	6 / 9 (13 mm wrench)	10 / 15 (17 mm wrench)	14 / 21 (19 mm wrench)
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)
height / width / thickness	113 / 158 / 32	134 / 170 / 42	150 / 202 / 52
height / width / thickness	120 / 158 / 32	141 / 170 / 42	157 / 202 / 52
height / width / thickness	117 / 158 / 32	138 / 170 / 42	154 / 202 / 52
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 175 (158) / 32	129 / 187 (158) / 42	144 / 219 (172) / 52
UL, cUL, ATEX and IEC Ex pending			
APPROVALS			
ACCESSORIES			
End sections	beige	-	-
Permanent cross connection	POF/95/2 poles P0952 POF/95/3 poles P0953	POF/150/2 poles P0152 POF/150/3 poles P0153	POF/240/2 poles P0242 POF/240/3 poles P0243
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	ACI121213 Z121213 ACI121024 Z121024	ACI121213 Z121213 ACI121024 Z121024
Marking tag	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...
End bracket	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007
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/3/AC of steel PR003 PR/3/AS same with slots PR005	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	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	GPM.95/CC Cat. No. GP300	GPM.150/CC Cat. No. GP600	GPM.240/CC Cat. No. GP900
panel-mount version	GPM.95/CC/FIX Cat. No. GP310	GPM.150/CC/FIX Cat. No. GP610	GPM.240/CC/FIX Cat. No. GP910
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm ²)	95	150	240
connecting capacity			
flexible (mm ²)	35 ÷ 120	50 ÷ 185	95 ÷ 300
rigid (mm ²)	25 ÷ 120	35 ÷ 185	95 ÷ 300
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)
rated voltage / rated current / gauge	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16
rated voltage / rated current / AWG	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value –bar (test / recommended) (Nm)	-	-	-
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)
height / width / thickness	113 / 140 / 32	134 / 140 / 42	150 / 154 / 52
height / width / thickness	120 / 140 / 32	141 / 140 / 42	157 / 154 / 52
height / width / thickness	117 / 140 / 32	138 / 140 / 42	154 / 154 / 52
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 173 (158) / 32	129 / 173 (158) / 42	144 / 187 (172) / 52
UL, cUL, ATEX and IEC Ex pending			
APPROVALS			
ACCESSORIES			
End sections	beige	-	-
Permanent cross connection	POF/95/2 poles P0952 POF/95/3 poles P0953	POF/150/2 poles P0152 POF/150/3 poles P0153	POF/240/2 poles P0242 POF/240/3 poles P0243
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	ACI121213 Z121213 ACI121024 Z121024	ACI121213 Z121213 ACI121024 Z121024
Marking tag	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...	CNU/8/51 NU0851 CSC CS...
End bracket	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007	BTU for PR/DIN and PR/3 BT005 CDA/BT for PR/DIN only CD003 BT/3-BTO for PR/3 only BT003-BT007
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/3/AC of steel PR003 PR/3/AS same with slots PR005	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	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

ACB Series high current terminal blocks with UL94V-0 polyamide insulating body



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

(*) referred to version equipped with wire clamping collar
(**) tightening with screwdriver / wrench

When using bars or lugs having a width exceeding the indicated value (up to a maximum of 34 mm) the use of SPS separating diaphragms is necessary in order to guarantee the appropriate insulation.

beige version	ACB.70/BB Cat. No. AC100	ACB.120/BB Cat. No. AC400	ACB.185/BB Cat. No. AC700			
(Ex)i version						
TECHNICAL CHARACTERISTICS						
function / type	feed-through	feed-through	feed-through			
rated cross-section (mm ²)	70	120	185			
connecting capacity (*)						
flexible (mm ²)	10 ÷ 120	25 ÷ 185	25 ÷ 185			
rigid (mm ²)	6 ÷ 120	25 ÷ 185	25 ÷ 185			
bars and/or cable lugs	25 mm maximum width (M6 bolt)	25 mm maximum width (M8 bolt)	25 mm maximum 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	-	-	-			
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3			
insulation stripping length (mm)	-	-	-			
tightening torque value / bar (Nm)	- / 3 (10 mm wrench)	- / 6 (13 mm wrench)	- / 14 (19 mm wrench)			
tightening torque value / cable (**) (Nm)	-	-	-			
height / width / thickness	45 / 90 / 35	46 / 100 / 35	47 / 120 / 35			
	Referred to the versions equipped with clamping collar on both sides	Referred to the versions equipped with clamping collar on both sides	Referred to the versions equipped with clamping collar on both sides			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Spare clamping collar (to allow the connection of non pre-assembled cables)	ACB.70/CO	AC104	ACB.120/CO	AC404	ACB.185/CO	AC705
Safety cover	PRT/P	PRT01	PRT/P	PRT01	PRT/P	PRT01
Cover support	PRT/G	PRT03	PRT/G	PRT03	PRT/G	PRT03
Marking tag	SPS/1	SPS01	SPS/1	SPS01	SPS/3	SPS03
End bracket	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	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 for PR/DIN only	CD003	CDA/BT for PR/DIN only	CD003	CDA/BT for PR/DIN only	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

protection: ACB terminal blocks can be protected against direct and/or accidental contact by means of proper PRT type covers of different sizes: small, medium or big in 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 in 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.

PRT/P+SPS/1

- for ACB.70/BB and ACB.120/BB

PRT/M+SPS/5

- for ACB.70 and ACB.120 with clamping collar mounted

PRT/P+SPS/3

- for ACB.185/BB

PRT/M+SPS/7

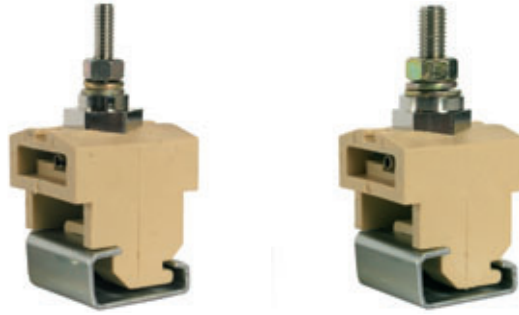
- for ACB.185 with clamping collar mounted

PRT/G type 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.



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	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
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/8/51	NU0851
-	-
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/8/51	NU0851
-	-
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.

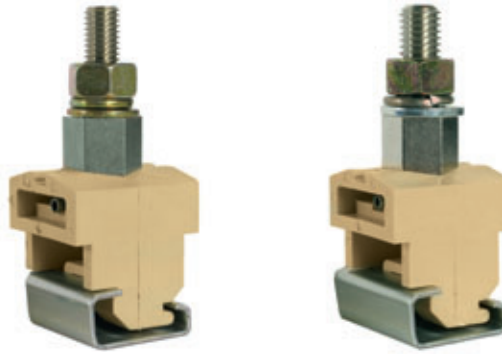
Whenever a safety cover is needed, the insulation function is guaranteed by the **SPS/5** support of the cover itself.



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 (mm ²)	120	150
connecting capacity		
flexible (mm ²)	30 ÷ 120	30 ÷ 150
rigid (mm ²)	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	-	-
height / width / thickness	-	-
height / width / thickness	90 / 39 / 35	90 / 39 / 35
APPROVALS		
ACCESSORIES	Type Cat. No.	Type Cat. No.
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/8/51 NU0851	CNU/8/51 NU0851
End bracket	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/AS same with slots PR004	PR/DIN/AS same with slots PR004
	PR/DIN/AL of aluminium PR002	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
- **CoC IEC Ex CES 09.0009U** Ex e II



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	CBE.2	TE0.4			
	Cat. No. T0910	Cat. No. CE110	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 (mm ²)	2,5	2,5	4			
connecting capacity						
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
max. flexible with ferrule (mm ²)-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 (Ex e) rated voltage (V)	- / - / 20-14 AWG / 5,5 lb.in.	- / 15 A / 20 ÷ 14 AWG / 5,5 lb.in.	- / - / 20 ÷ 12 AWG / 5,5 lb.in.			
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 / max) (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						
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/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	CSC	CS...	CSC	CS...	CSC	CS...
Numbering strip	-	NU0851	CNU/8/51	NU0851	-	
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
Mounting rail according to IEC 60715 Std.	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001		
	PR/DIN/AS of steel	PR001	PR/DIN/AS of steel	PR001		
	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/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 mm ²	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
- **CoC IEC Ex CES 09.0009U** Ex e II



version to be mounted onto PR/3 rail

version to be mounted onto PR/DIN rail

TECHNICAL CHARACTERISTICS	
function / type	earth
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	- / - / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-12 AWG / 5,5 lb.in.
rated impulse withstand voltage / pollution degree	-
insulation stripping length (mm)	8 KV / 3
tightening torque value (test / max) (Nm)	10
height / width / thickness TH/35 7,5 mm	0,5 / 1,2
height / width / thickness TH/35 15 mm	-
height / width / thickness G32	56 / 50 / 6,5

TE.4 Cat. No. **TE400**

earth	6
connecting capacity	
flexible (mm ²)	0,5 ÷ 10
rigid (mm ²)	0,5 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-8 AWG / 13,3 lb.in.
rated impulse withstand voltage / pollution degree	-
insulation stripping length (mm)	8 KV / 3
tightening torque value (test / max) (Nm)	12
height / width / thickness TH/35 7,5 mm	0,8 / 1,4
height / width / thickness TH/35 15 mm	52 / 47 / 8
height / width / thickness G32	60 / 47 / 8

TE.6/0 Cat. No. **T0110**

earth	10
connecting capacity	
flexible (mm ²)	0,5 ÷ 16
rigid (mm ²)	0,5 ÷ 16
max. flexible with ferrule (mm ²)-ferrule type	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / B6
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-8 AWG Str. / 13,3 lb.in.
rated impulse withstand voltage / pollution degree	-
insulation stripping length (mm)	8 KV / 3
tightening torque value (test / max) (Nm)	13
height / width / thickness TH/35 7,5 mm	1,2 / 1,9
height / width / thickness TH/35 15 mm	55 / 47 / 10
height / width / thickness G32	63 / 47 / 10

TE.10/0 Cat. No. **T0500**

earth	10
connecting capacity	
flexible (mm ²)	0,5 ÷ 16
rigid (mm ²)	0,5 ÷ 16
max. flexible with ferrule (mm ²)-ferrule type	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / B6
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-8 AWG Str. / 13,3 lb.in.
rated impulse withstand voltage / pollution degree	-
insulation stripping length (mm)	8 KV / 3
tightening torque value (test / max) (Nm)	13
height / width / thickness TH/35 7,5 mm	1,2 / 1,9
height / width / thickness TH/35 15 mm	55 / 47 / 10
height / width / thickness G32	63 / 47 / 10

APPROVALS

ACCESSORIES	
End sections	verde
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
TEO.4/PT	T0431
CNU/8/51	NU0851
CSC	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

Type	Cat. No.
-	-
CNU/8/51	NU0851
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

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	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

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

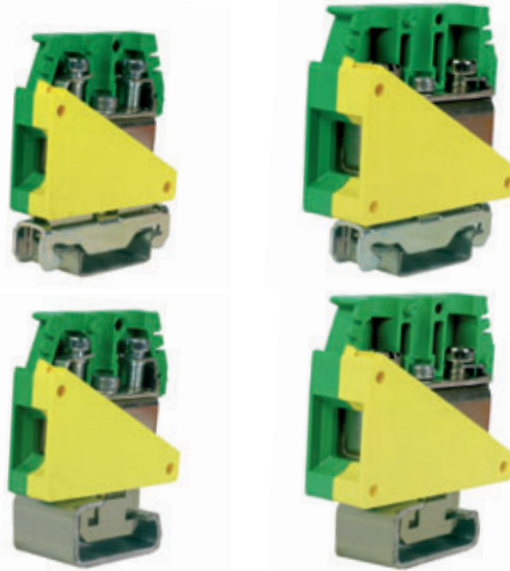
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	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
- **CoC IEC Ex CES 09.0009U** Ex e II



Without green / yellow insulating case



version to be mounted onto PR/3 rail

version to be mounted onto PR/DIN rail

TECHNICAL CHARACTERISTICS	
function / type	earth
rated cross-section (mm ²)	16
connecting capacity	
flexible (mm ²)	0,5 ÷ 25
rigid (mm ²)	0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 76 A / B7
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	13
tightening torque value (test / max) (Nm)	1,8 / 3
height / width / thickness TH/35 7,5 mm	56 / 47 / 12
height / width / thickness TH/35 15 mm	64 / 47 / 12
height / width / thickness G32	57,5 / 46,5 / 12

TE.16/O Cat. No. **T0210**

TE.16/D Cat. No. **TE210**

earth	16
connecting capacity	
flexible (mm ²)	0,5 ÷ 25
rigid (mm ²)	0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 76 A / B7
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	13
tightening torque value (test / max) (Nm)	1,8 / 3
height / width / thickness TH/35 7,5 mm	56 / 47 / 12
height / width / thickness TH/35 15 mm	64 / 47 / 12
height / width / thickness G32	57,5 / 46,5 / 12

TE.50/O Cat. No. **T0310**

TE.50/D Cat. No. **TE310**

earth	50
connecting capacity	
flexible (mm ²)	1,5 ÷ 50
rigid (mm ²)	1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	50 - WP500/40
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 16-1 AWG / 33,2 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	17
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	62 / 57 / 18
height / width / thickness TH/35 15 mm	70 / 57 / 18
height / width / thickness G32	63 / 57 / 18

TTN.35 Cat. No. **TT300**

earth	35
connecting capacity	
flexible (mm ²)	1,5 ÷ 50
rigid (mm ²)	1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / -
rated impulse withstand voltage / pollution degree	- / 3
insulation stripping length (mm)	15
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	-
height / width / thickness TH/35 15 mm	-
height / width / thickness G32	60 + D / 58 / 11

APPROVALS



ACCESSORIES

End sections	verde
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CNU/8/51	NU0851
CSC	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

Type	Cat. No.
CNU/8/51	NU0851
CSC	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.
CNU/8/51	NU0851
CSC	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

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

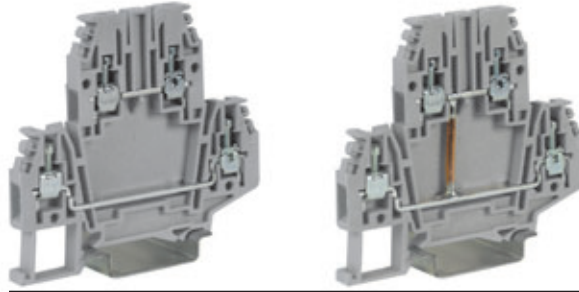
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	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 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 / max)	(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
TECHNICAL CHARACTERISTICS	
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 / 8 lb.in	
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
TECHNICAL CHARACTERISTICS	
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 / 8 lb.in	
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



ACCESSORIES

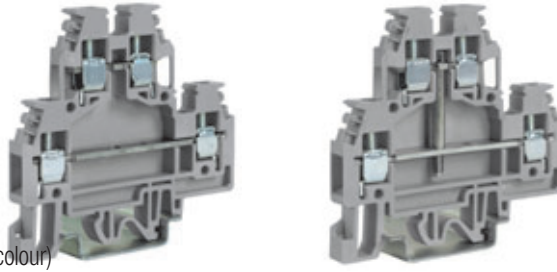
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	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
-	
-	
CNU/8/51	NU0851
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

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
-	
-	
CNU/8/51	NU0851
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
-	
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

On two 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.

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 / max)	(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
TECHNICAL CHARACTERISTICS	
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 / 8,9 lb.in	
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
TECHNICAL CHARACTERISTICS	
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.	

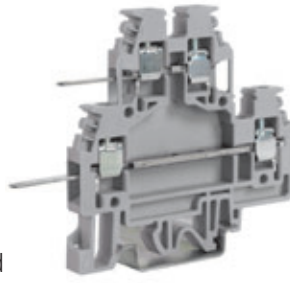
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
DAS/PT (Ex)i	DS201
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
DAS/VCI	DS107
DAS/VCE	DS108
PRP/5	PRP05
CNU/8/61	NU0861
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 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
CNU/8/61	NU0861
-	
DAS/VCE	DS108
PRP/5	PRP05
CNU/8/61	NU0861
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 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	feed-through with solder lugs
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	320 V - 500 V (*) / 20 A (**) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	4 kV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 80 / 6
height / width / thickness TH/35 15 mm	70 / 80 / 6
height / width / thickness G32	66 / 80 / 6

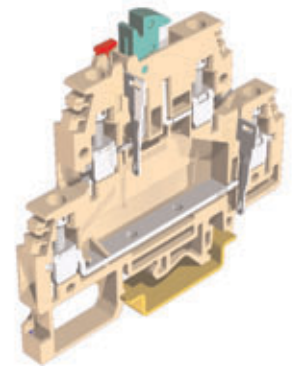
(*) value referred to the staggered position of solder lugs

(**) referring respectively to upper and lower levels

(***) max. on lug

DAS.4/SS/GR	Cat. No. DS110GR
DAS.4/SS	Cat. No. DS110

DSS.4/GR	Cat. No. DS400GR
DSS.4	Cat. No. DS400



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

APPROVALS

Approvals referred to terminal block type DAS.4



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	
Fuse	
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

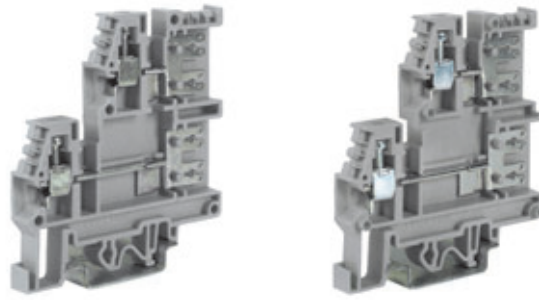
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
32	
-	
POS/43	POS43
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
CNU/8/61	NU0861
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	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
-	
-	
-	
CNU/8/61	NU0861
-	
-	
CNU/8/51	NU0851
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 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



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

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

FVS.4/GR	Cat. No. FV100GR
FVS.4	Cat. No. FV100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
for overlapped circuits	4
connecting capacity	
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	320 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-10 AWG / 8,9 lb.in.
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length	12
tightening torque value (test / max)	0,8 / 1,2
height / width / thickness	69 / 64 / 6,5
height / width / thickness	77 / 64 / 6,5
height / width / thickness	73 / 64 / 6,5

FFS.4/GR	Cat. No. FF100GR
FFS.4	Cat. No. FF100
(Ex)i version	
TECHNICAL CHARACTERISTICS	
for overlapped circuits in staggered position	4
connecting capacity	
flexible	0,2 ÷ 6
rigid	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge	320 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-10 AWG / 8,9 lb.in.
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length	12
tightening torque value (test / max)	0,8 / 1,2
height / width / thickness	69 / 64 / 6,5
height / width / thickness	77 / 64 / 6,5
height / width / thickness	73 / 64 / 6,5

APPROVALS

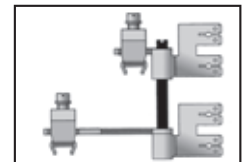


ACCESSORIES

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.	

Type	Cat. No.
FVS/PT/GR	FV101GR
FVS/PT	FV101
32	
POS/72	POS72
PMP/42	PMP42
CPM/01 (CPX/01)	CPM01 (CPX01)
DFU/6	DU06..
PSD/A	PD001
SDD/1	DD001
-	-
-	-
-	-
FVS/VCI	FV107
FVS/VCE	FV108
PRP/6	PRP06
CNU/8/51	NU0851
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

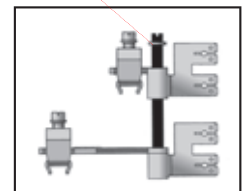
Type	Cat. No.
FFS/PT/GR	FF101GR
FFS/PT	FF101
32	
POS/72	POS72
PMP/42	PMP42
CPM/01 (CPX/01)	CPM01 (CPX01)
-	-
PSD/A	PD001
SDD/1	DD001
-	-
-	-
-	-
PRP/6	PRP06
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS 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



VCI

internal cross connection

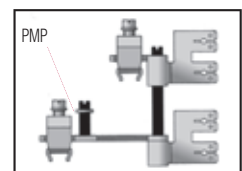
PMP bar
(to be added to VCE)



VCE

internal

+
front adjoining cross-connection



VCI + PM

parallelo interno

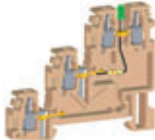
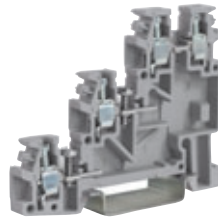
+

contiguo posteriore

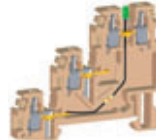
On two levels

with UL94V-0 polyamide insulating body

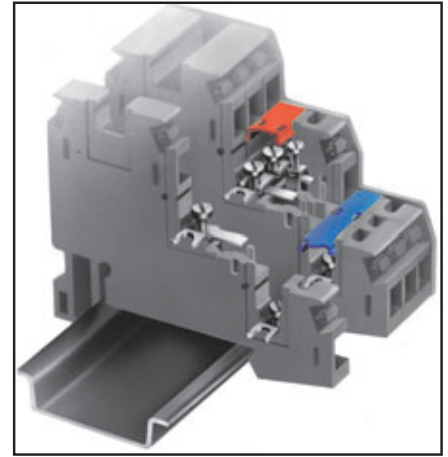
- three level - for sensors
- with LOCK system
- suited for LED indication
- to be mounted onto PR/3 type rails - according to IEC 60715 Std., "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



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)

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

TLS.2/GR	Cat. No. TL100GR
TLS.2	Cat. No. TL100
TECHNICAL CHARACTERISTICS	
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 / 3,5 lb.in	
-	
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.

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.	

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
-	
-	
-	
-	
PRP/5	PRP05
CNU/8/51	NU0851
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

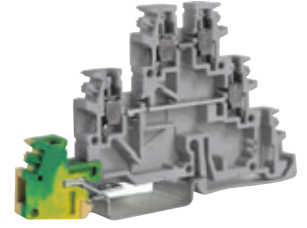
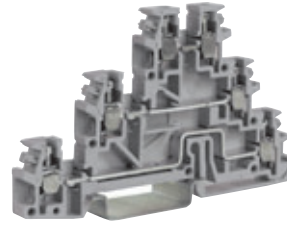
On two levels

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

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 / max)	(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
TECHNICAL CHARACTERISTICS	
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 / 3,5 lb.in	
-	
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
TECHNICAL CHARACTERISTICS	
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 / 3,5 lb.in	
-	
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
TECHNICAL CHARACTERISTICS	
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 / 3,5 lb.in	
-	
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
-	
-	
-	
-	
PRP/5	PRP05
CNU/8/51	NU0851
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/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
CNU/8/51	NU0851
-	
PRP/5	PRP05
CNU/8/51	NU0851
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

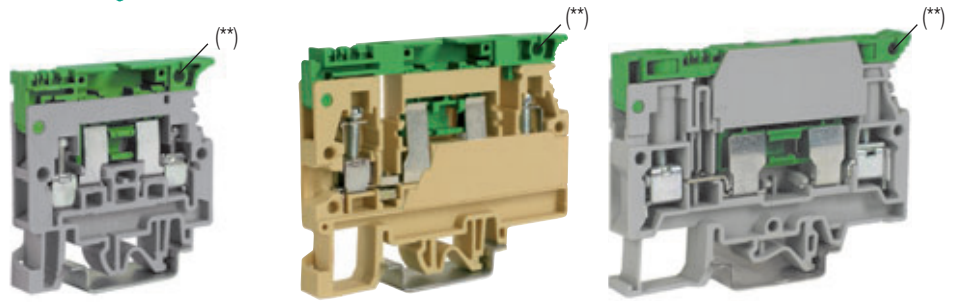
Type	Cat. No.
TLD/PT/GR	TL201GR
TLD/PT	TL201
PM/20/2 poles	PM202
PM/30/3 poles	PM303
PM/30/5 poles	PM305
PM/30/10 poles	PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
CNU/8/51	NU0851
-	
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
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 (grey RAL 7042 and beige RAL 1001 colours)
- 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



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

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 / max)	(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 IPXB 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.	

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
SFO.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	SFO.4/GR Cat. No. SF400GR	SFR.6/M/GR Cat. No. SR500GR
SFR.4 Cat. No. SF900	SFO.4 Cat. No. SF400	SFR.6/M Cat. No. SR500
for $\varnothing 5 \times 20$ mm fuses 4	for $\varnothing 5 \times 20$ mm fuses 4	for $\varnothing 5 \times 20$ mm fuses 6
0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 800 V (*) / 6,3 A max (20 A with C0/5) / A4 600 V / 6,3 A / 20-12 AWG / 4,4 lb.in.	0,2 ÷ 6 0,2 ÷ 6 4 - WP40/16 800 V (*) / 6,3 A max (16 A with C0/5) / A4 600 V / 6,3 A / 20-12 AWG / 7 lb.in.	0,2 ÷ 10 0,2 ÷ 10 6 - WP60/20 630 V (*) / 10 A max. (19 A with C0/5) / A5 600 V / 6,3 A / 20-8 AWG / 13 lb.in.
6 KV / 3 11 0,5 / 1,2 52 / 52 / 8 60 / 52 / 8 56 / 52 / 8	6 KV / 3 11 0,5 / 1,2 59 / 73 / 8 67 / 73 / 8 62 / 73 / 8	6 KV / 3 11 0,8 / 1,4 59 / 79 / 10 67 / 79 / 10 63 / 79 / 10



Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
SFR.4/PT/GR	SF701GR	-	-	SFR.6/PT/GR	SR301GR
SFR.4/PT	SF701	SFO/PT	SF401	SFR.6/PT	SR301
SFR.4/PT (Ex)i	SF801	SFO/PT (Ex)i	SF601	SFR.6/PT (Ex)i	SR401
-	-	PM/90/2 poles	PM902	PTC/20/02 poles (***)	PTC2002
-	-	PM/90/3 poles	PM903	PTC/20/03 poles (***)	PTC2003
-	-	PM/90/5 poles	PM905	PTC/20/05 poles (***)	PTC2005
-	-	PM/90/10 poles	PM900	PTC/20/10 poles (***)	PTC2010
-	-	24	-	PTC/20/00 (25 poles) (***)	PTC2000
-	-	PMP/20	PMP20	25	-
-	-	CPM/20	CPM20	PTC/SP	PTC0990
DFU/3	DU03..	DFU/7	DU07..	DFU/7	DU07..
-	-	PSD/J	PD014	DFM/300	DF300
-	-	SDD/1	DD001	-	-
CNU/8/51	NU0851	CNU/8/51	NU0851	SDD/1	DD001
F5	FN...	F5	FN...	CNU/8/51	NU0851
CIL/12	SF512	CIL/12	SF512	F5	FN...
CIL/24	SF524	CIL/24	SF524	KITLSN/12-24	KIT1224
CIL/48	SF548	CIL/48	SF548	KITLSN/70-380	KIT70380
CIL/115	SF515	CIL/115	SF515	-	-
CIL/230	SF523	CIL/230	SF523	-	-
CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
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

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.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	6
connecting capacity	
flexible (mm ²)	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V (*) / 10 A (33 A with brass cylinder) / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 10 A / 20-8 AWG / 13 lb.in
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,8 / 1,4
height / width / thickness TH/35 7,5 mm	59 / 79 / 10
height / width / thickness TH/35 15 mm	67 / 79 / 10
height / width / thickness G32	63 / 79 / 10

APPROVALS



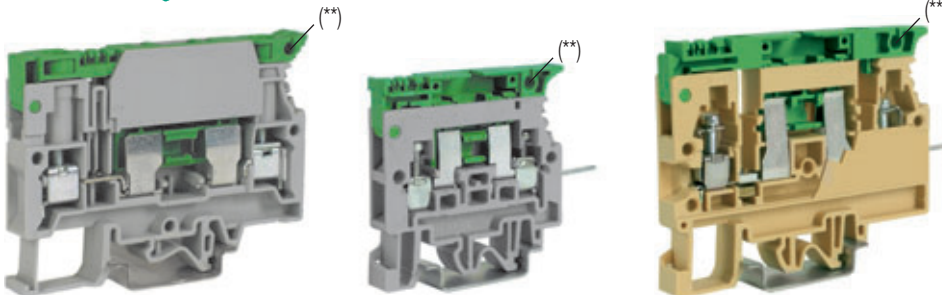
other approvals referred to the standard version



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.	



The terminal block is equipped with a lever suited to house a \varnothing 6.3 x 32 mm - 500 V 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

SFR.6/GR Cat. No. SR300GR	SFR.4/VS/GR Cat. No. SF910GR	
SFR.6 Cat. No. SR300	SFR.4/VS Cat. No. SF910	SFO.4/VS Cat. No. SF410
(Ex)i version		
TECHNICAL CHARACTERISTICS		
for fuses	for fuses with solder lug	for fuses with solder lug
6	4	4
0,2 ÷ 10	0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 10	0,2 ÷ 6	0,2 ÷ 6
6 - WP60/20	4 - WP40/16	4 - WP40/16
630 V (*) / 10 A (33 A with brass cylinder) / A5	400 V (*) / 6,3 A max (15 A with CO/5) / A4	400 V (*) / 6,3 A max (15 A with CO/5) / A4
600 V / 10 A / 20-8 AWG / 13 lb.in	-	-
-	-	-
6 kV (*) / 3	4 kV (*) / 3	4 kV (*) / 3
11	11	11
0,8 / 1,4	0,5 / 1,2	0,5 / 1,2
59 / 79 / 10	52 / 65 / 8	59 / 85 / 8
67 / 79 / 10	60 / 65 / 8	67 / 85 / 8
63 / 79 / 10	56 / 65 / 8	63 / 85 / 8

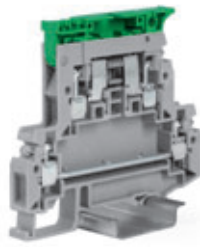
Type	Cat. No.
SFR.6/PT/GR	SR301GR
SFR.6/PT	SR301
SFR.6/PT (Ex)i	SR401
PTC/20/02 poles (***)	PTC2002
PTC/20/03 poles (***)	PTC2003
PTC/20/05 poles (***)	PTC2005
PTC/20/10 poles (***)	PTC2010
PTC/20/00 (25 poles) (***)	PTC2000
25	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/300	DF300
-	
SDD/1	DD001
-	
-	
KITLSN/12-24	KIT1224
KITLSN/70-380	KIT70380
-	
CNU/8/51	NU0851
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..
-	
-	
-	
-	
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8/51	NU0851
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
CNU/8/51	NU0851
-	
F5	FN...
CIL/12	SF512
CIL/24	SF524
CIL/48	SF548
CIL/115	SF515
CIL/230	SF523
CNU/8/51	NU0851
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-holder/diode-holder

with UL94V-0 polyamide insulating body



- mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- two-levels: upper: fuse-holder / diode holder; lower: feed-through
- for $\varnothing 5 \times 20$ mm fuses (supplied separately) with possibility to detect the fuse-blowout status, by means of a LED micro-circuit (CIL...)
- for 1 A diodes (types 1N4001 ÷ 1N4007)
- for 3 A diodes (types BY255)
- Available in grey colour (RAL 7042)

The /GR tag indicates the grey colour version.

grey version
beige 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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

DSF.4/GR	Cat. No. DA200GR
DSF.4	Cat. No. DA200

On two levels: $\varnothing 5 \times 20$ mm fuse-holder (upper level) - feed-through (lower level)
4
0,2 ÷ 6
0,2 ÷ 6
4 - WP40/16
800 V / [6,3 A (10 A with CO/5) (upper lever)] - 32 A (lower level) / A4
-
8 kV / 3
9
0,5 / 1,2
69 / 79,5 / 8
77 / 79,5 / 8
- / - / -

KEMA-KEUR, UL pending

APPROVALS

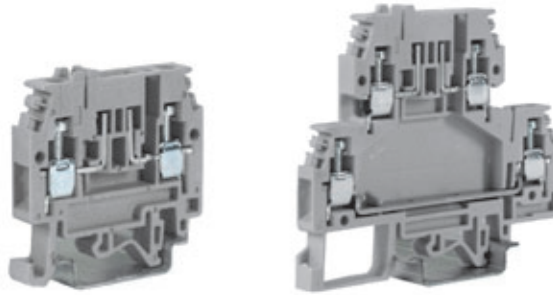
ACCESSORI	
End sections	grey beige blue
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Numbering strip	
Miniature fuse	$\varnothing 5 \times 20$ mm
Conducting element	$\varnothing 5 \times 20$ mm
LED circuit composed by:	non-polarised
- 2 contacts	
- 1 microcircuit	
- 1 transparent cover - to be inserted in such a sequence	
Marking tag	printed or blank
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit	
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit	
1 A cartridge / insert	
3 A cartridge / insert	
Terminal block with 1 A diode	
Terminal block with 3 A diode	
End bracket	
Mounting rail	
according to IEC 60715 Std.	

Type	Cat. No.
DSF.4/PT/GR	DS401GR
DFU/7	DU07..
-	
-	
-	
F5/...	FN...
CO/5	VL103
CIL/12-48	SF518
CIL/115-230	SF510
CNU/8	NU08...
CNU/10	NU10...
DSF.4/GR/C12-48	DA518GR
DSF.4/GR/C115-230	DA510GR
SFR/11A (con diodo da 1 A)	SF992
SFR/13A (con diodo da 3 A)	SF993
DSF.4/GR/D1A	DA901GR
DSF.4/GR/D3A	DA903GR
BTU per PR/DIN e PR/3	BT005
BT/3-BTO solo per PR/3	BT003-BT007
PR/3/AC per PR/DIN e PR/3	PR003
PR/3/AS idem con asole	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

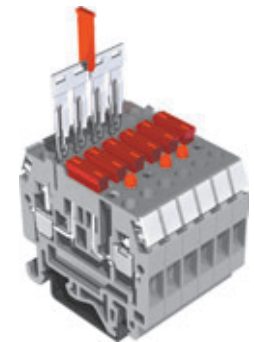
Terminal block	Jumper	Insulation voltage in the above configurations (V)			
MPFA.4	PTC/4	400	400	400	400
DSFA.4	PTC/4	400	400	400	400

The /GR tag indicates the grey colour version.

grey version	
beige version	
TECHNICAL CHARACTERISTICS	
function / type	
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	400 V (*) / 15 A (****) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage / (V)	600 V / 6,3 A / 26-10 AWG / 4,4 lb.in
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35	7,5 mm / 47 / 47 / 6
height / width / thickness TH/35	15 mm / 55 / 47 / 6
height / width / thickness G32	15 mm / 51 / 47 / 6

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 / 4,4 lb.in	
6 kV (*) / 3	
9	
0,5 / 1,2	
47 / 47 / 6	
55 / 47 / 6	
51 / 47 / 6	

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 / 4,4 lb.in	
6 kV / 3	
9	
0,5 / 1,2	
68 / 78 / 6	
75 / 78 / 6	
72 / 78 / 6	



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-polarised LED circuit)

APPROVALS



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



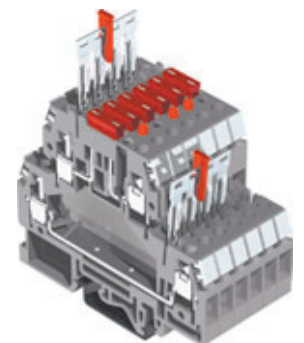
Approvals referred to the use with CPF/5 fuse carrier cartridge

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 - 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.	

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/8/51	NU0851
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/8/51	NU0851
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 $\varnothing 5 \times 20$ mm can be inserted (our type F5, with or without signalling LED, diode (1 or 3 A), brass pin $\varnothing 5 \times 20$ 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 / AWG / tightening torque value	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(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	$\varnothing 5 \times 20$ mm
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	

Type	Cat. No.
CNU/8/51	NU0851
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:

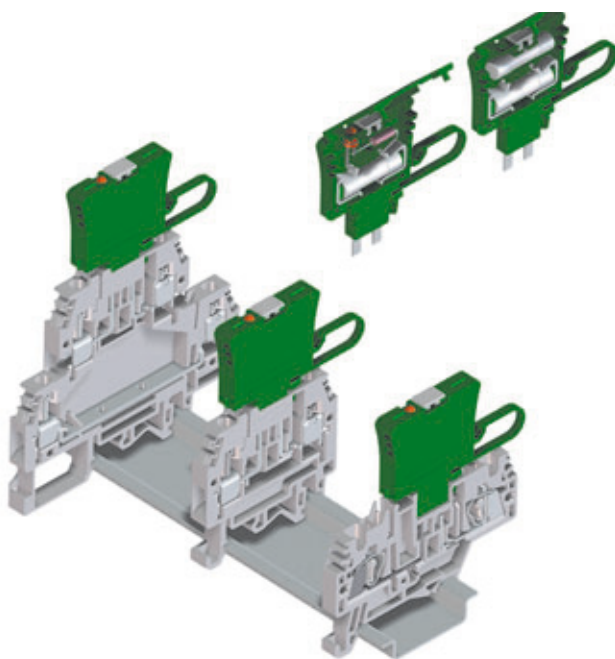
(a) with fuse $\varnothing 5 \times 20$ mm, 250 V, $I_{max} = 6,3$ A – with brass pin $I_{max} = 10$ A

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

Terminal block	Height on rail	Height on rail	Height on rail
	TH/35 7,5 (mm)	TH/35 15 (mm)	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.

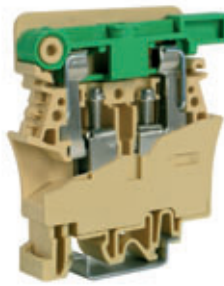
When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.



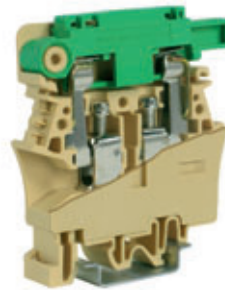
Fuse-holders

with UL94V-0 polyamide insulating body

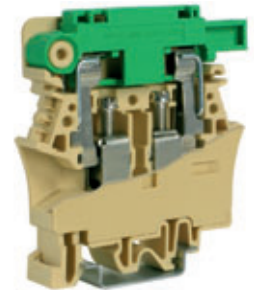
- for \varnothing 6.3 x 32 mm fuses
- for \varnothing 6.3 x 32 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL...)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., G32 and "TH/35" types
- available in beige RAL 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	
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 / max)	(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 / 7 lb.in.		
-		
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/8/51	NU0851	
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 / 7 lb.in.		
-		
6 KV (*) / 3		
17		
1,2 / 1,9		
71 / 63 / 12		
79 / 63 / 12		
75 / 63 / 12		
Type	Cat. No.	
-		
-		
-		
DFU/6	DU06..	
-		
SDD/1	DD001	
MSM (6 elements)	FC103	
-		
CIL/12	SF512	
CIL/24	SF524	
CIL/48	SF548	
CIL/115	SF515	
CIL/230	SF523	
CNU/8/51	NU0851	
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 / 7 lb.in.		
-		
6 KV (*) / 3		
17		
1,2 / 1,9		
71 / 63 / 12		
79 / 63 / 12		
75 / 63 / 12		
Type	Cat. No.	
-		
-		
-		
PMP/20	PMP20	
DFU/6	DU06..	
-		
SDD/1	DD001	
MSM (6 elements)	FC103	
LSN	FL202	
-		
CNU/8/51	NU0851	
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	

Approvals referred to the standard version

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)



CIL/... circuit

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.

beige 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 / max)	(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 / 4,4 lb.in.	
-	
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 / 4,4 lb.in.	
-	
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..
-	
-	
-	
F5	FN...
C0/5	VL103
-	

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

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

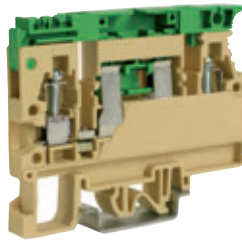
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC for PR/DIN and PR/3	PR003
PR/3/AS same with slots	PR005

CNU/8/51	NU0851
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

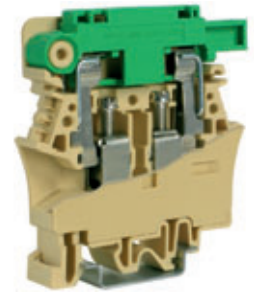
Fuse-holders with LED circuit

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 FPL.10. 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	
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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFO.4/C12 Cat. No. SF812 with 12V non-polarized LED circuit	SFO.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 / A4	
250 V / 20 A / 20-12 AWG / 4,4 lb.in.	
-	
6 kV (*) / 3	
11	
0,8 / 1,2	
59 / 73 / 8	
67 / 73 / 8	
62 / 73 / 8	

SFO.4/C48 Cat. No. SF848 with 48V non-polarized LED circuit	SFO.4/C115 Cat. No. SF815 with 115V non-polarized LED circuit	SFO.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 / A4		
250 V / 20 A / 20-12 AWG / 7 lb.in.		
-		
6 kV (*) / 3		
11		
0,8 / 1,2		
59 / 85 / 8		
67 / 85 / 8		
62 / 85 / 8		

FPL.10/C12 Cat. No. FP912 with 12V non-polarized LED circuit	FPL.10/C24 Cat. No. FP924 with 24V non-polarized LED circuit	FPL.10/C48 Cat. No. FP948 with 48V non-polarized LED circuit	FPL.10/C115 Cat. No. FP915 with 115V non-polarized LED circuit	FPL.10/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 / 7 lb.in.				
-				
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
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

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
CNU/8/51	NU0851
F5	FN...
-	
CNU/8/51	NU0851
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

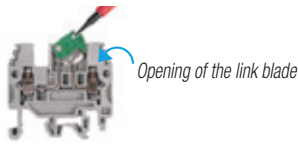
Type	Cat. No.
SFO/PT	SF401
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
CNU/8/51	NU0851
F5	FN...
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 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

Type	Cat. No.
-	
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/6	DU06..
-	
PSD/J	PD014
SDD/1	DD001
CNU/8/51	NU0851
-	
MSM (6 elements)	FC103
-	
CNU/8/51	NU0851
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

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



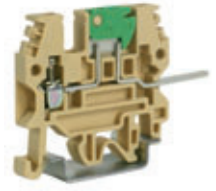
The /GR tag indicates the grey colour version.



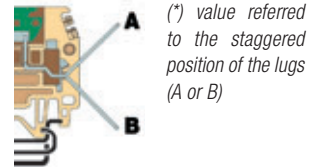
with cross-connection possibility and suited to house a \varnothing 2.3 mm test plug, only in the slot of the cross-connection



with cross-connection possibility and suited to house a \varnothing 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	(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 / max)	(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
TECHNICAL CHARACTERISTICS	
disconnect with cross-connection possibility	2,5
rated cross-section	0,2 ÷ 4
flexible	0,2 ÷ 4
rigid	2,5 - WP25/14
max. flexible with ferrule (mm ²)-ferrule type	630 V / 18 A / A3
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-12 AWG / 5,5 lb.in
rated impulse withstand voltage / pollution degree	-
insulation stripping length	6 kV / 3
tightening torque value (test / max)	8
height / width / thickness	0,4 / 0,8
height / width / thickness	43 / 45 / 5,5
height / width / thickness	51 / 45 / 5,5
height / width / thickness	47 / 45 / 5,5

MPS.2/SWP/GR	Cat. No. MP710GR
MPS.2/SWP	Cat. No. MP710
TECHNICAL CHARACTERISTICS	
disconnect with cross-connection possibility	2,5
rated cross-section	0,2 ÷ 4
flexible	0,2 ÷ 4
rigid	2,5 - WP25/14
max. flexible with ferrule (mm ²)-ferrule type	630 V / 18 A / A3
rated voltage / rated current / AWG / tightening torque value	600 V / 20 A / 20-12 AWG / 5,5 lb.in
rated impulse withstand voltage / pollution degree	-
insulation stripping length	6 kV / 3
tightening torque value (test / max)	8
height / width / thickness	0,4 / 0,8
height / width / thickness	43 / 45 / 5,5
height / width / thickness	51 / 45 / 5,5
height / width / thickness	47 / 45 / 5,5

MPS.2/SV/GR	Cat. No. MP220GR
MPS.2/SV	Cat. No. MP220
TECHNICAL CHARACTERISTICS	
disconnect lever with 1 screw and 1 solder connect.	2,5
rated cross-section	0,2 ÷ 4
flexible	0,2 ÷ 4
rigid	2,5 - WP25/14
max. flexible with ferrule (mm ²)-ferrule type	500 V (*) / 18 A / A3
rated voltage / rated current / AWG / tightening torque value	300 V / 20 A / 20-12 AWG / 5,5 lb.in
rated impulse withstand voltage / pollution degree	-
insulation stripping length	4 kV / 3
tightening torque value (test / max)	8
height / width / thickness	0,4 / 0,8
height / width / thickness	43 / 60 / 5,5
height / width / thickness	51 / 60 / 5,5
height / width / thickness	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 (CPX/11)	CPM11 (CPX11)
DFU/2	DU02..
PSD/K	PD011
SDD/1	DD001
PRP/5	PRP05
CNU/8/51	NU0851
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

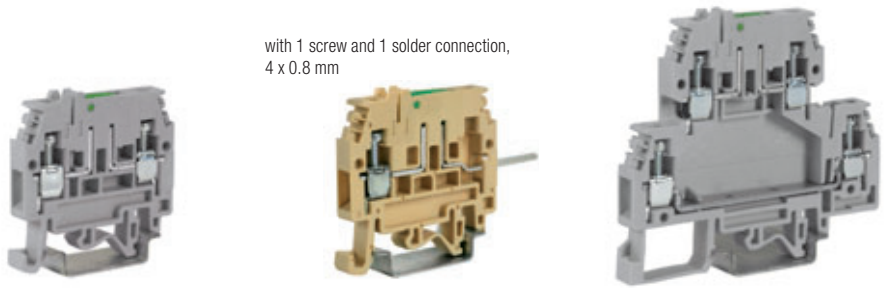
Type	Cat. No.
MPS.2/PT/GR	MP121GR
MPS.2/PT	MP121
PM/91/2 poles	PM912
PM/91/3 poles	PM913
PM/91/5 poles	PM915
PM/91/10 poles	PM910
POS/91	POS91
PMP/01	PMP01
CPM/11	CPM11
DFU/2	DU02..
PSD/K	PD011
SDD/1	DD001
PRP/5	PRP05
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO 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
PRP/5	PRP05
CNU/8/51	NU0851
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



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

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

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 / 4,4 lb.in	
-	
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 / 5,5 lb.in	
-	
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 / 4,4 lb.in	
-	
4 kV / 3	
9	
0,5 / 1,2	
68 / 78 / 6	
75 / 78 / 6	
72 / 78 / 6	

APPROVALS



other approvals referred to MPS.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	
Cover for cross-connection	red, blue or white
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

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
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
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
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
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

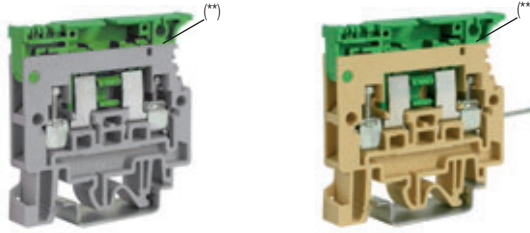
Type	Cat. No.
DSS/PT/GR	DS301GR
DSS/PT	DS301
PTC/4/02 poles	PTC0402
PTC/4/03 poles	PTC0403
PTC/4/05 poles	PTC0405
PTC/4/10 poles	PTC0410
PTC/4/00 (42 poles)	PTC0400
32	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/500	DF500
-	
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN 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 CO/5 conducting element
- in tin plated brass to be inserted in the lever

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	disconnect
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	800 V / 20 A (con CO/5) / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 6,3 A / 20-12 AWG / 4,4 lb.in
rated impulse withstand voltage / pollution degree	6 kV / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness	52 / 52 / 8
height / width / thickness	60 / 52 / 8
height / width / thickness	56 / 52 / 8

SFR.4/GR	Cat. No. SF900GR
SFR.4	Cat. No. SF900
SFR.4 (Ex)i	Cat. No. SF850

SFR.4/VS/GR	Cat. No. SF910GR
SFR.4/VS	Cat. No. SF910

APPROVALS



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.	

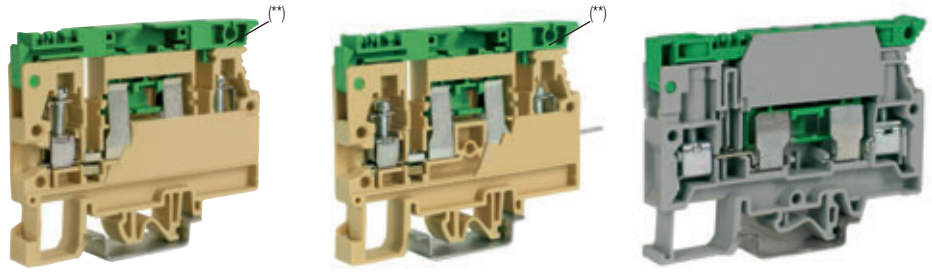
Type	Cat. No.
SFR.4/PT/GR	SF701GR
SFR.4/PT	SF701
SFR.4/PT (Ex)i	SF801
-	-
-	-
-	-
DFU/3	DU03..
-	-
-	-
-	-
-	-
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL 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/GR	SF701GR
SFR.4/PT	SF701
-	-
-	-
-	-
DFU/3	DU03..
-	-
-	-
-	-
-	-
CO/5	VL103
CNU/8/51	NU0851
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

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

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



∅ 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.

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SFO.4/GR	
Cat. No.	SF400GR
SFO.4	
Cat. No.	SF400
SFO.4 (Ex)i	
Cat. No.	SF600
disconnect	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 16 A (with CO/5) / A4	
600 V / 6,3 A / 20-12 AWG / 7 lb.in.	
-	
6 KV / 3	
11	
0,5 / 1,2	
59 / 73 / 8	
67 / 73 / 8	
62 / 73 / 8	

SFO.4/VS	
Cat. No.	SF410
disconnect with solder lug	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
800 V / 15 A (with CO/5) / A4	
-	
4 KV / 3	
11	
0,5 / 1,2	
59 / 85 / 8	
67 / 85 / 8	
63 / 85 / 8	

SFR.6/M/GR	
Cat. No.	SR500GR
SFR.6/M	
Cat. No.	SR500
SFR.6/M (Ex)i	
Cat. No.	SR600
disconnect	
6	
0,2 ÷ 10	
0,2 ÷ 10	
4 - WP60/20	
630 V / 19 A (with CO/5) / A5	
600 V / 6,3 A / 20-8 AWG / 13 lb.in.	
-	
6 KV / 3	
11	
0,8 / 1,4	
59 / 79 / 10	
67 / 79 / 10	
63 / 79 / 10	

APPROVALS



approvals referred to SFO.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/GR	SF401GR
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
-	
-	
CO/5	VL103
CNU/8/51	NU0851
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

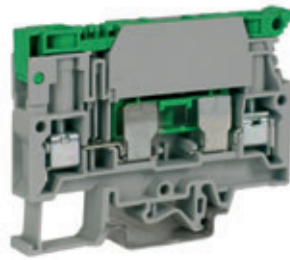
Type	Cat. No.
-	
SFO/PT	SF401
-	
PM/90/2 poles	PM902
PM/90/3 poles	PM903
PM/90/5 poles	PM905
PM/90/10 poles	PM900
25	
-	
PMP/20	PMP20
CPM/20	CPM20
DFU/7	DU07..
-	
PSD/J	PD014
SDD/1	DD001
-	
-	
CO/5	VL103
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	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
-	
-	
CO/5	VL103
CNU/8/51	NU0851
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

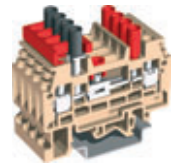


Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams



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.

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 / max)	(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 conducting element) / A5	
600 V / 10 A / 20-8 AWG / 13 lb.in	
-	
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 / 7 lb.in	
-	
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
-	
-	
-	
CNU/8/51	NU0851
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

Type	Cat. No.
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
SFC/CO	FC102
-	
MSM (6 elements)	FC103
CNU/8/51	NU0851
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

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
CNU/8/51	NU0851
-	
SCB.4/CPM	SB305
-	
CNU/8/51	NU0851
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

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



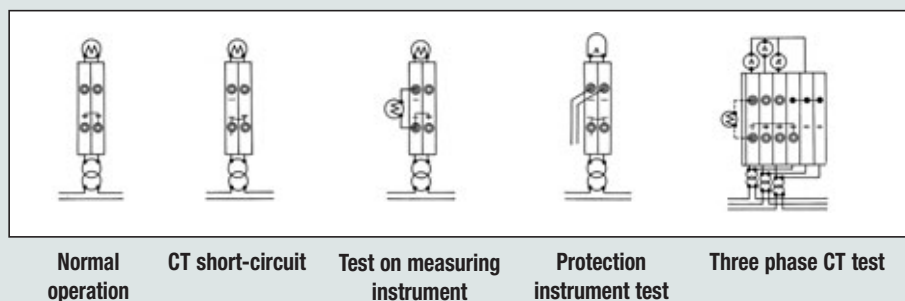
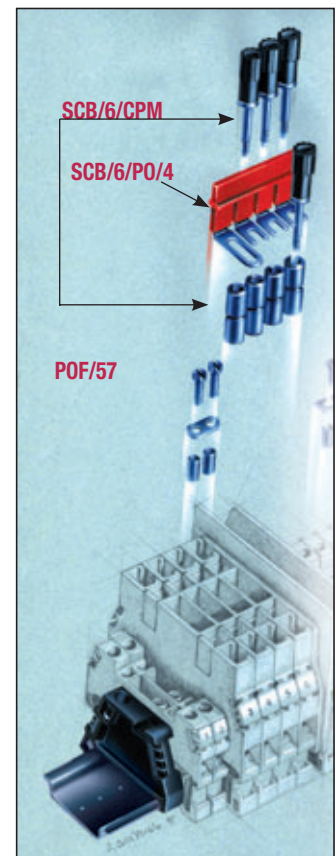
allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position 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.

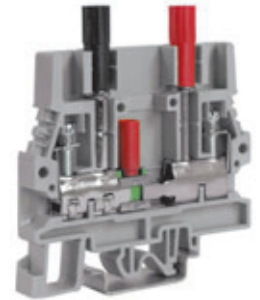
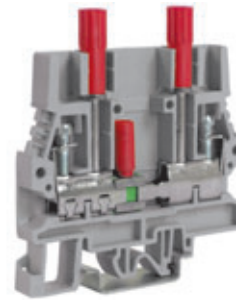
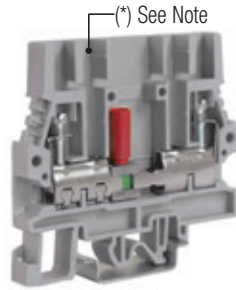
The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy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



(*) 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

The /GR tag indicates the grey colour version.

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm ²)	6
connecting capacity	
flexible (mm ²)	0,5 ÷ 10
rigid (mm ²)	0,5 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V / 47 A / 20-8 AWG / 13,3 lb.in.
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	12
tightening torque value (test / max) (Nm)	0,8 / 1,4
height / width / thickness TH/35 7,5 mm	65 / 69 / 8
height / width / thickness TH/35 15 mm	73 / 69 / 8
height / width / thickness G32	68 / 69 / 8

APPROVALS

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 voltmetric 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	

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.	

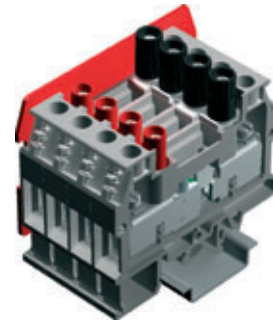
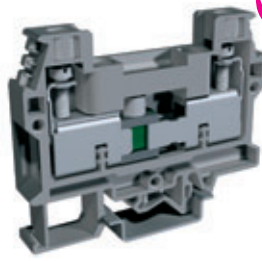
Type	Cat. No.
SCB/6/PT/GR	SB201GR
SCB/6/PT	SB201
-	-
POF/57	POF57
-	-
PMP/13	PMP13
CPM/57	CPM57
DFU/6	DU06..
-	-
PSD/P	PD015
SDD/2	DD002
-	-
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
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..
-	-
PSD/P	PD015
SDD/2	DD002
-	-
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
SFC/CO	FC102
SCB/6/CPM	SB205
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
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..
-	-
PSD/P	PD015
SDD/2	DD002
-	-
SCB/6/PO/2	SB203
SCB/6/PO/4	SB204
-	-
SCB/6/CPM/R	SB205R
CNU/8/51	NU0851
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



Rail assembly with all accessories necessary for the connection of current transformers

- universal mounting onto both PR/DIN and PR/3, "G32" and TH/35 type rails conforming to IEC 60715 Std.
- /DD version (with test plug sockets upstream and downstream the slide link) - for voltmeteric circuits
- /CD version (with test plug sockets upstream and downstream the slide link and short-circuit sleeve upstream the slide-link) - for ammeteric circuits
- available in beige (RAL 1001) and grey (RAL 7042) colours

The /GR tag indicates the grey colour version.

	grey version
	beige version
	(Ex)i version
CARATTERISTICHE TECNICHE	
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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

SCB.10/GR	Cat. No. SB400GR
SCB.10	Cat. No. SB400
disconnect by slide-link	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
1000 V / 57 A / A4	
-	
-	
8 KV / 3	
14	
0,5 / 1,2	
59,5 / 75 / 10,5	
67,5 / 75 / 10,5	
63,5 / 75 / 10,5	

SCB.10/DD/GR	Cat. No. SB410GR
SCB.10/DD	Cat. No. SB410
disconnect by slide-link special configuration for voltmeteric circuits	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
1000 V / 57 A / A4	
-	
-	
8 KV / 3	
14	
0,5 / 1,2	
59,5 / 75 / 10,5	
67,5 / 75 / 10,5	
63,5 / 75 / 10,5	

SCB.10/CD/GR	Cat. No. SB420GR
SCB.10/CD	Cat. No. SB420
disconnect by slide-link special configuration for amperometric circuits	
10	
0,5 ÷ 16	
0,5 ÷ 16	
10 - WP100/21	
1000 V / 57 A / A4	
-	
-	
8 KV / 3	
14	
0,5 / 1,2	
59,5 / 75 / 10,5	
67,5 / 75 / 10,5	
63,5 / 75 / 10,5	

APPROVALS

KEMA-KEUR, UL pending

KEMA-KEUR, UL pending

KEMA-KEUR, UL pending

ACCESSORIES	
End sections	grey 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	
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.
SCB/10/PT/GR	SB401GR
SCB/10/PT	SB401
-	
POF/56	POF56
PMP/13	PMP13
CPM/57	CPM57
DFU/7	DU07..
-	
PSD/P	PD015
SDD/2	DD002
-	
SCX/CPM	SB105
SCX/PO/2	SC103
SCX/PO/4	SC104
CNU/8/51	NU0851
-	
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

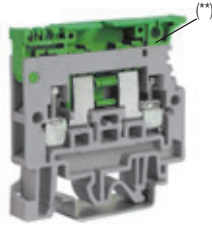
Type	Cat. No.
SCB/10/PT/GR	SB401GR
SCB/10/PT	SB401
-	
POF/56	POF56
PMP/13	PMP13
CPM/57	CPM57
DFU/7	DU07..
-	
PSD/P	PD015
SDD/2	DD002
-	
SCX/CPM	SB105
SCX/PO/2	SC103
SCX/PO/4	SC104
CNU/8/51	NU0851
-	
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC 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/10/PT/GR	SB401GR
SCB/10/PT	SB401
-	
POF/56	POF56
PMP/13	PMP13
CPM/57	CPM57
DFU/7	DU07..
-	
PSD/P	PD015
SDD/2	DD002
-	
SCX/CPM	SB105
SCX/PO/2	SC103
SCX/PO/4	SC104
CNU/8/51	NU0851
-	
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.

grey version	
beige 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 / max) (Nm)	
height / width / thickness TH/35 7,5 mm	
height / width / thickness TH/35 15 mm	
height / width / thickness G32	

APPROVALS

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

SFR.4/GR	Cat. No. SF900GR
SFR.4	Cat. No. SF900
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	

The SFR/11A 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

Approvals referring to standard version (see page 32)

ACCESSORIES

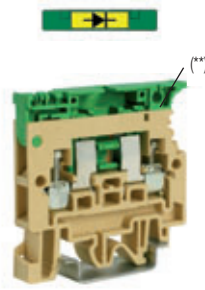
End sections	grey beige blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / insert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

Type	Cat. No.
SFR/PT/GR	SF701GR
SFR/PT	SF701
SFR/PT (Ex)i	SF801
-	
-	
-	
DFU/3	DU03..
-	
-	
-	
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993
CNU/8/51	NU0851
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

- 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
- 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 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

Grey colored version also available:
 SFR.4/D1A/GR Cat. No. SF901GR



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

standard version	
TECHNICAL CHARACTERISTICS	
function / type	with 1 A or 3 A diodes
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	800 V (*) / 1 (3) A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 / 52 / 8
height / width / thickness TH/35 15 mm	60 / 52 / 8
height / width / thickness G32	56 / 52 / 8

SFR.4/D1A	Cat. No. SF901
SFR.4/D3A	Cat. No. SF903

APPROVALS

Approvals referring to standard version (see page 32)

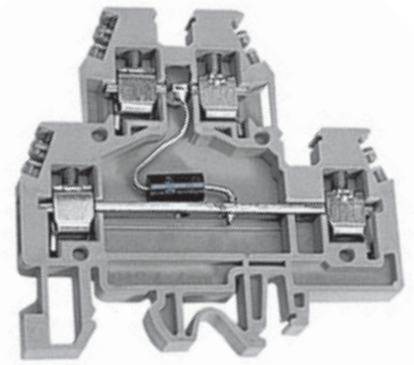
ACCESSORIES	
End sections	beige grey
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Miniature fuse	
Conducting element	
Cartridge / 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
SFR/PT/GR	SF701GR
-	-
-	-
-	-
DFU/3	DU03..
-	-
-	-
F5	FN...
-	-
SFR/11A (with 1 A diode)	SF992
SFR/13A (with 3 A diode)	SF993
CNU/8/51	NU0851
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.

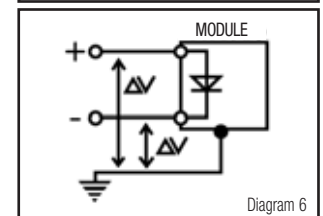
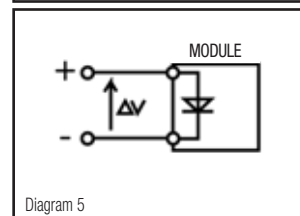
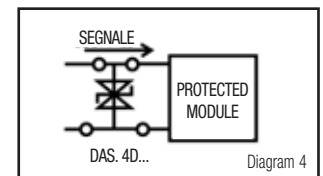
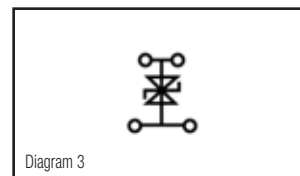
Caution: the installation of devices for protection against power surges with varistors, diodes and other components between signal and/or power supply conductors and the protection earth reduces the isolation voltage to approximately the value V of breakdown of the discharger used. To carry out isolation 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
-	
CNU/8/61	NU0861
-	
PRP/5	PRP05
CNU/8/51	NU0851
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

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.

grey version	DAS.4/D.../GR
beige version	DAS.4/D...
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 / max) (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	
Rated voltage	5
Vdc max. (Vcc)	6,45
Vac max.	-
Breakdown voltage (1 mA)	6,8 V ± 5%
Max clamping voltage (V)	11
Response time	< 1 ns
Isc pulse 8/20 µs (A)	750
C (1 kHz)	5 nF

DAS.4/D5/GR	Cat. No. DSD005GR
DAS.4/D5	Cat. No. DSD005

DAS.4/D12/GR	Cat. No. DSD012GR
DAS.4/D12	Cat. No. DSD012

TECHNICAL DATA	
Rated voltage	24
Vdc max. (Vcc)	28,5
Vac max.	-
Breakdown voltage (1 mA)	30 V ± 5%
Max clamping voltage (V)	41
Response time	< 1 ns
Isc pulse 8/20 µs (A)	160
C (1 kHz)	1,5 nF

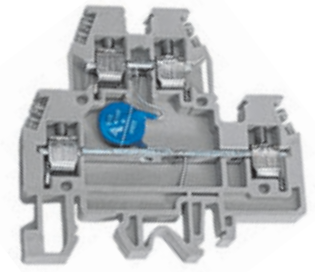
DAS.4/D24/GR	Cat. No. DSD024GR
DAS.4/D24	Cat. No. DSD024

DAS.4/D60/GR	Cat. No. DSD060GR
DAS.4/D60	Cat. No. DSD060

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.

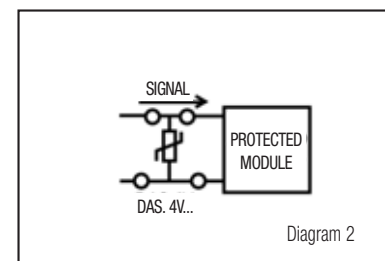
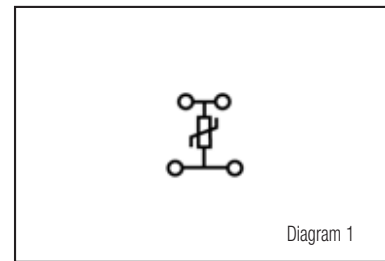
The range of models available provides a choice between rated voltages suitable for protecting both signals and power supply units with standard voltages of 24 V dc and 48 V dc or for power supply voltages of 120 V ac and 230 V ac.

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 (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 / max) (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
	DAS.4/V24		DAS.4/V48		DAS.4/V120		DAS.4/V230	
	Cat. No.	DSV024	Cat. No.	DSV048	Cat. No.	DSV120	Cat. No.	DSV230
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	(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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

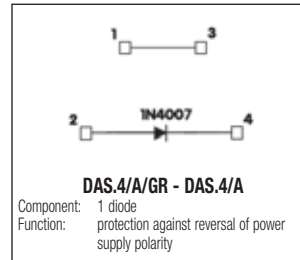
APPROVALS

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

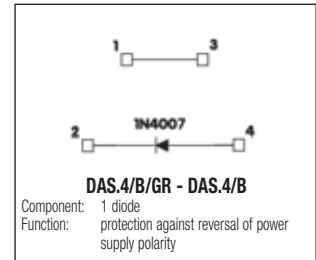
DAS.4/.../GR	
Cat. No.	DS...GR
DAS.4/...	
Cat. No.	DS...
2-level component-holder	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / - / A4	
-	
8 KV / 3	
9	
0,5 / 1,2	
62 / 64 / 6	
70 / 64 / 6	
66 / 64 / 6	

Approval referring to DAS.4 standard version

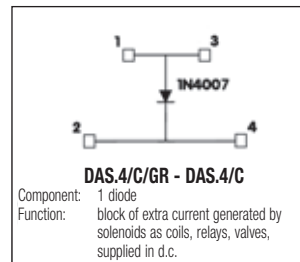
Type	Cat. No.
DAS/PT/GR	DS101GR
DAS/PT	DS101
-	
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
POS/43	POS43
PMP/58	PMP58
CPM/01	CPM01
DFU/7	DU07..
-	
PSD/A	PD001
SDD/1	DD001
-	
-	
-	
-	
PRP/5	PRP05
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	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



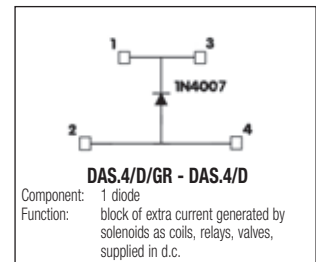
Cat. No. DS111GR - DS111



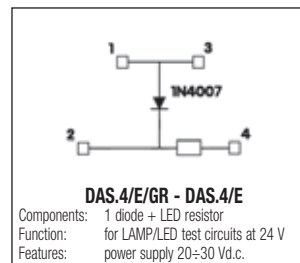
Cat. No. DS112GR - DS112



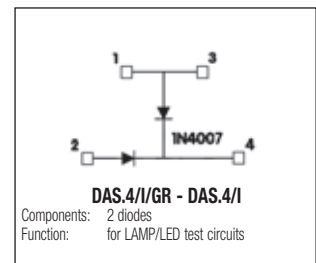
Cat. No. DS113GR - DS113



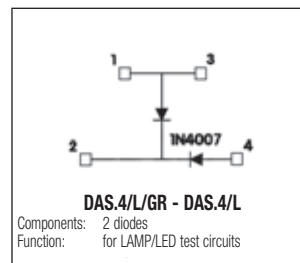
Cat. No. DS114GR - DS114



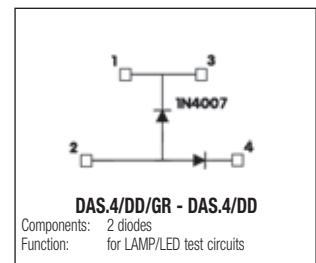
Cat. No. DS115GR - DS115



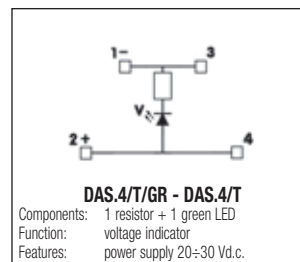
Cat. No. DS119GR - DS119



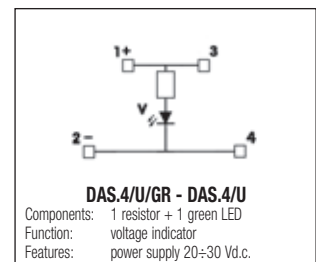
Cat. No. DS130GR - DS130



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

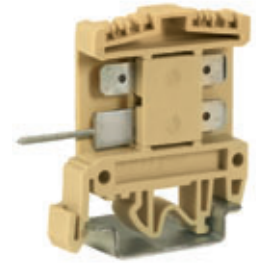
- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



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 (mm ²)	2,5	2,5	2,5
connecting capacity			
flexible (mm ²)	up to 2,5	up to 2,5	up to 2,5
rigid (mm ²)	-	-	-
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 (Ex e) rated voltage / (V)	300 V / 15 A / -	600 V / 15 A / -	-
rated impulse withstand voltage / pollution degree	4 KV / 3	6 KV / 3	4 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value (test / max) (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



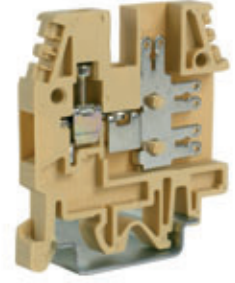
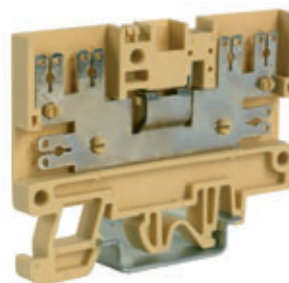
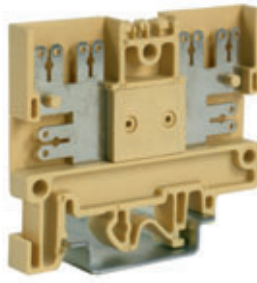
Approvals referring to terminal block type AF0.2/2+2

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	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
Cover for cross-connection	-		-		-	
Warning plate	-		-		-	
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
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
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
	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 (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 / max) (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/GR
Cat. No. CV100GR
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 / 4,4 lb.in
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..
-	-
-	-
CNU/8/51	NU0851
-	-
CNU/8/51	NU0851
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

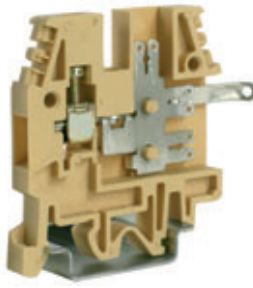
Type	Cat. No.
FDP/PT/GR	FD101GR
FDP/PT	FD101
PH/2,5-4	PH100
-	-
-	-
-	-
DFU/5	DU05..
-	-
SDD/1	DD001
CNU/8/51	NU0851
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
BT/3-BTO for PR/3 only	BT003-BT007
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL 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/GR	CV101GR
CVF/PT	CV101
CVF/PT (Ex)i	CV201
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
CNU/8/61	NU0861
-	-
CNU/8/51	NU0851
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

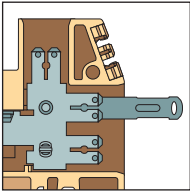
With special connections

with UL94V-0 polyamide insulating body

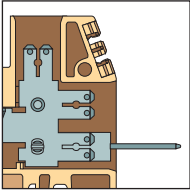
- with flat push-on tab connections
- with solder lug or wire-wrap lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



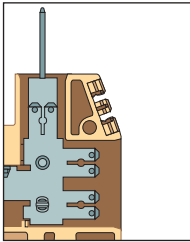
CVF.4/VS2 Cat. No. CV130
with two 4 x 0.8 mm solder lugs



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	feed-through, 1 screw + spec. connections
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	250 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	4 KV / 3
insulation stripping length (mm)	11
tightening torque value (test / max) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness TH/35 15 mm	60 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness G32	56 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

CVF.4/VS	Cat. No.	CV110
CVF.4/WW	Cat. No.	CV120
CVF.4/TP	Cat. No.	CV140

APPROVALS

Approvals referring to terminal block type CVF.4

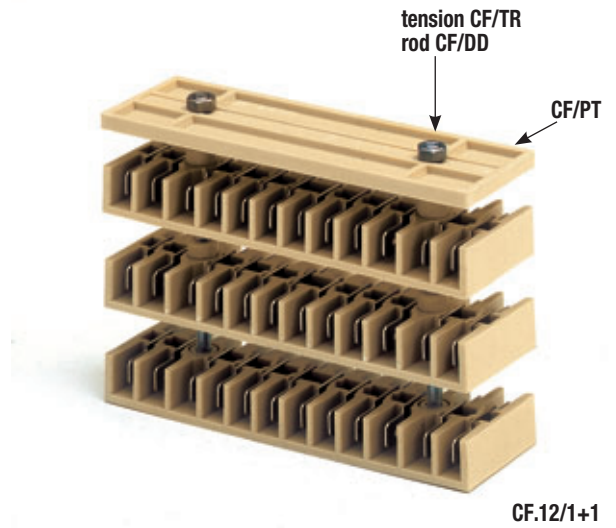
ACCESSORIES	
End sections	beige blue
Permanent cross connection (pre-assembled)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Cover for cross-connection	
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
CNU/8/61	NU0861
-	
CNU/8/61	NU0861
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

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

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

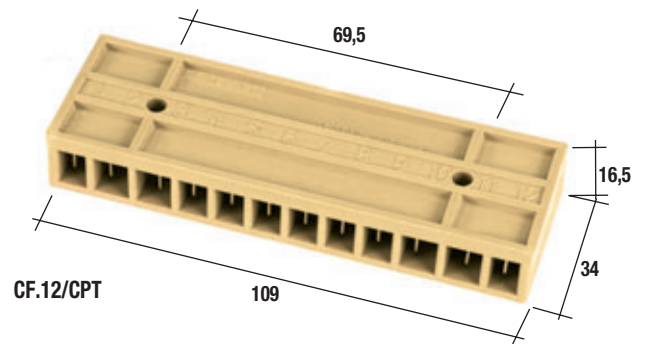
CF.12/1+1 terminal boards can be mounted independently or overlapped. In both cases the single terminal board or the one placed on top of the assembly shall be closed using a CF/PT end section (4 mm thickness). The fixing to the panel can take place by means of:

- 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).

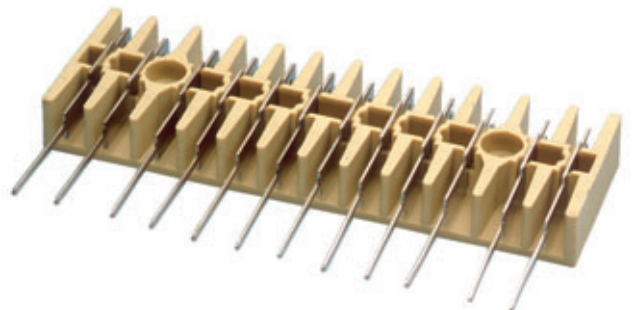


CF.12/CPT

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



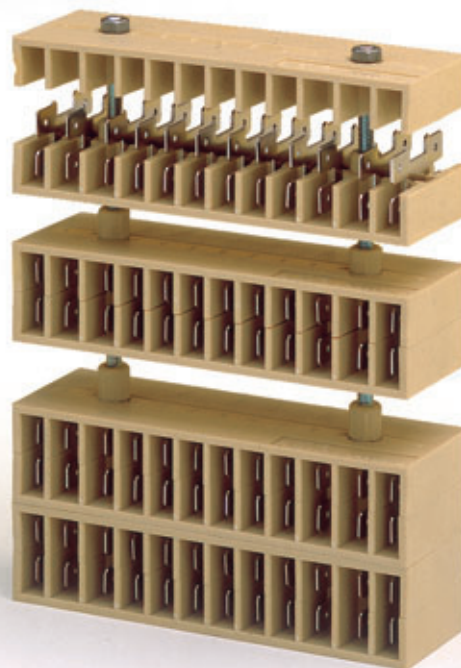
CF.12/FW/CPT (Cat. No. CFW90)
Version equipped with flat push on tab connections on one side and wrapped wire on the other side
CF.12/FW/CPT (Ex)i (Cat. No. CFW99)



CF.12/1+1 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 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

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:

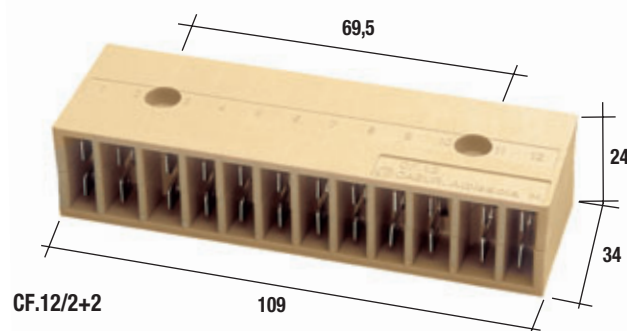
- screws of adequate length (**distance between the holes 69.5 mm**)
- M4 **threaded tension rods**

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.

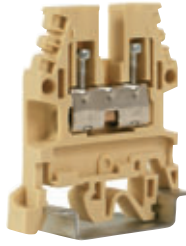
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel, or on request, silver coating (CF.12/2+2/AG Cat. No. CFA20).

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	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

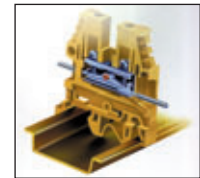
APPROVALS



ACCESSORIES	
End sections	beige blue
Permanent cross connection	
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.	

TC/PO	Cat. No.	TC500
TC/PO (Ex)i	Cat. No.	TC510
for thermocouple circuits		
-		
thermocouples having 0,8 ÷ 1,3 mm diam.		
800 V / - / -		
600 V / 15 A / 20-14 AWG / 5,5 lb.in.		
500 V / 630 V		
8 KV / 3		
20		
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
-	
-	
-	
DFU/1	DU01..
-	
-	
CNU/8/51	NU0851
-	
-	
CNU/8/51	NU0851
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.

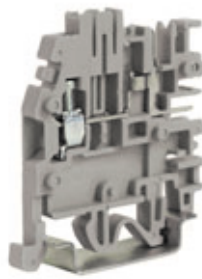
The thermocouple circuits, even those with different diameters, stripped of their insulating protection for a length of 20 mm. are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as happens in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

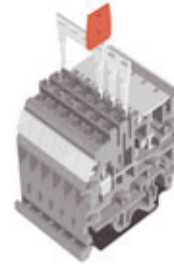
with UL94V-0 polyamide insulating body

- 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

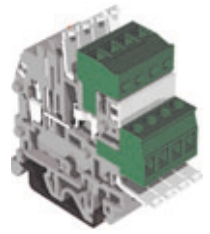


PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with PTC jumpers and barriers



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



(*) current on the PCB connector pin

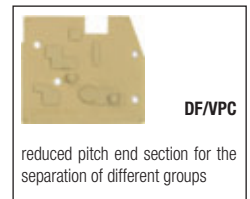
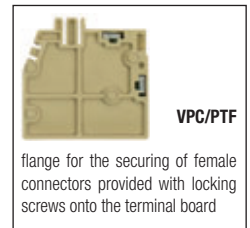
The /GR tag indicates the grey colour version.

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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

VPC.2/GR	
Cat. No.	VP300GR
VPC.2	
Cat. No.	VP300
VPC.2 (Ex)i	
Cat. No.	VP310
1 screw connection and 2 pins for female connectors	2,5
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
320 V / 24-12 (*) A / A3	320 V / 24-12 (*) A / A3
600 V / 20 ÷ 14 AWG / 15 A / 5,5 lb.in.	600 V / 20 ÷ 14 AWG / 15 A / 5,5 lb.in.
-	-
4 kV / 3	4 kV / 3
9 (screw connection)	9 (screw connection)
0,4 / 0,8 (screw connection)	0,4 / 0,8 (screw connection)
51 / 44 / 5,08	51 / 44 / 5,08
59 / 44 / 5,08	59 / 44 / 5,08
55 / 44 / 5,08	55 / 44 / 5,08

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 |



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.	

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
DF/VPC/GR	DU02SGR
DF/VPC	DU02S
-	-
CNU/8/51	NU0851
VPC/VT	VP102
VPC/PTF	VP303
CNU/8/51	NU0851
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

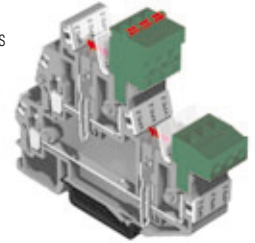
with UL94V-0 polyamide insulating body

- 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



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.



(*) current on the PCB connector pin
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 / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

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	
- / - / -	

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

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.	

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
-	
-	
CNU/8/51	NU0851
VPD/VT	VP502
-	
CNU/8/51	NU0851
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/3/AC of steel	PR003
PR/3/AS same with slots	PR005

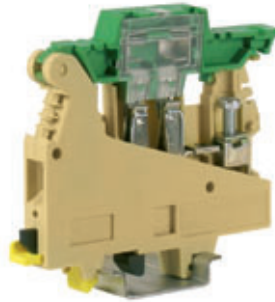
MAC Series

with UL94V-0 polyamide insulating body

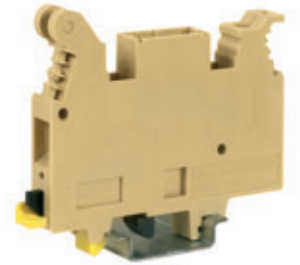
- to be used with modular CAM connectors
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



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	MAC.6	MAC.6/FS	MAC.6/N
(Ex)i version	Cat. No. MA100	Cat. No. MA410	Cat. No. MA200
TECHNICAL CHARACTERISTICS			
function / type	disconnect lever	for Ø 5 x 20 mm fuse	without disconnect lever for the use with CAM connector
rated cross-section (mm ²)	6	6	6
connecting capacity			
flexible (mm ²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	6 - WP60/20	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 16 A / A5	800 V (*) / 6,3 A / A5	800 V (*) / 16 A / A5
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	600 V (*) / 16 A / 20-10 AWG / 13,3 lb.in	600 V / 8 A / 20-10 AWG / 13,3 lb.in	600 V (*) / 16 A / 20-10 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / max) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	65 / 83 / 8	72 / 83 / 8	63 / 77 / 8
height / width / thickness TH/35 15 mm	73 / 83 / 8	80 / 83 / 8	71 / 77 / 8
height / width / thickness G32	69 / 83 / 8	76 / 83 / 8	67 / 77 / 8

APPROVALS



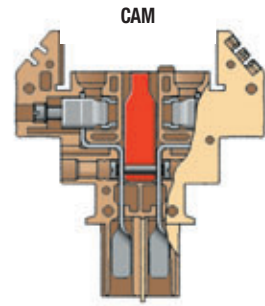
Other approvals referred to MAC.6 standard version

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	-	-	-	-	-
	beige	-	-	-	-	-
	blue	-	-	-	-	-
Permanent cross connection (pre-assembled)	PIL/2 poles	PIL02	PIL/2 poles	PIL02	PIL/2 poles	PIL02
	PIL/3 poles	PIL03	PIL/3 poles	PIL03	PIL/3 poles	PIL03
	PIL/4 poles	PIL04	PIL/4 poles	PIL04	PIL/4 poles	PIL04
	PIL/8 poles	PIL08	PIL/8 poles	PIL08	PIL/8 poles	PIL08
Switchable cross connection	-	-	-	-	-	-
Multiple common bar	250 mm	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition	red, green, white	-	-	-	-	-
Test plug socket	-	-	-	-	-	-
Test plug	SDD/1	DD001	SDD/1	DD001	SDD/1	DD001
Pitching strip	MAC/SPS	MA020	MAC/SPS	MA020	MAC/SPS	MA020
Ø 5 x 20 mm fuse	-	-	F5	FN...	-	-
Marking tag	printed or blank	-	CNU/8/51	NU0851	CNU/8/51	NU0851
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
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
	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

CAM shunting elements

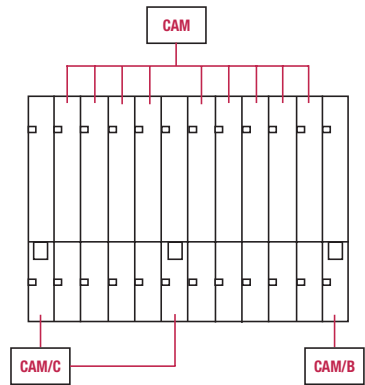
with polyamide insulating body

- 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 / max)	(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 / 8,9 lb.in
		8 KV / 3
		12
		-
		-
		-
		-
		-



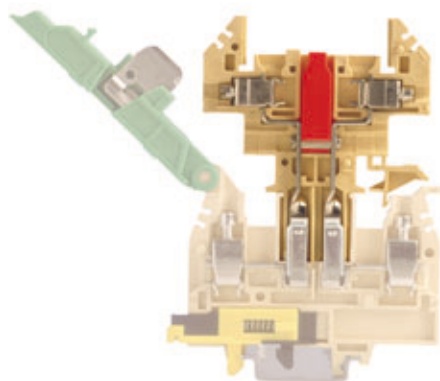
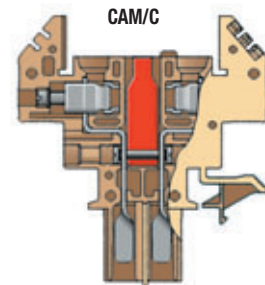
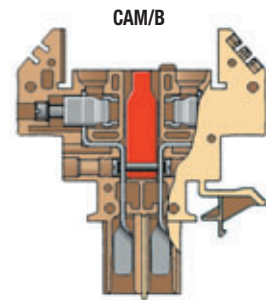
example of the derivation connector composition

APPROVALS

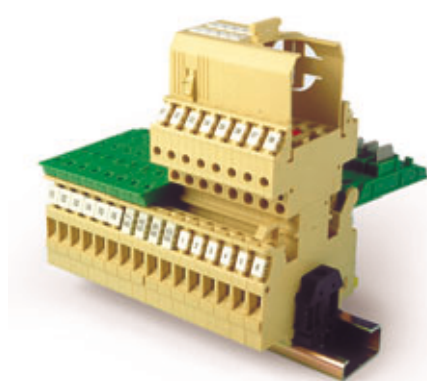


ACCESSORIES	
Shunting connection	beige
Pole lock	
Safety cover	

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



CAM insertion



CAM connector inserted into MAC composed terminal block

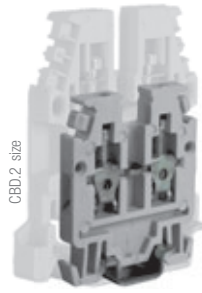
NOTE:

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 ÷ +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.

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 / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	

APPROVALS

RN.1/GR	
Cat. No.	RN300GR
RN.1 (Ex)i	
Cat. No.	RN400
feed-through	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V / 17,5 A / A1	
600 V / 15 A / 26-14 AWG / 4,5 lb.in	
-	
6 KV / 3	
8	
0,4 / 0,8	
32 / 27 / 4,2	

RN.2/GR	
Cat. No.	RN500GR
RN.2 (Ex)i	
Cat. No.	RN510
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V / 24 A / A3	
300 V / 20 A / 20 ÷ 12 AWG / 3,5 lb.in	
250 V	
6 KV / 3	
8	
0,4 / 0,8	
32 / 27 / 5	

RP.4/GR	
Cat. No.	RP300GR
RP.4 (Ex)i	
Cat. No.	RP400
feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V / 32 A / A4	
600 V / 30 A / 20-10 AWG / 4,4 lb.in	
250 V	
6 KV / 3	
9	
0,5 / 1,2	
35 / 31 / 6	



ACCESSORIES

End sections	grey blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Test plug socket	
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.
RFN/PT/GR	RF101GR
RFN/PT (Ex)i	RF201
PM/11/2 poles	PM112
PM/11/3 poles	PM113
PM/11/5 poles	PM115
PM/11/10 poles	PM110
-	-
PMP/16	PMP16
CPM/16 (CPX/16)	CPM16 (CPX16)
DFF/2	DFF2..
PSD/K	PDO11
SDD/1	DD001
CNU/8/61	NU0861
TQM/02	TQM02
-	-
PRP/5	PRP05
-	-
BT/2	BT006
-	-
-	-
-	-
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

Type	Cat. No.
RFN/PT/GR	RF101GR
RFN/PT (Ex)i	RF201
PM/12/2 poles	PM122
PM/12/3 poles	PM123
PM/12/5 poles	PM125
PM/12/10 poles	PM120
-	-
PMP/25	PMP25
CPM/16 (CPX/16)	CPM16 (CPX16)
DFF/2	DFF2..
PSD/A	PDO01
SDD/1	DD001
CNU/8/51	NU0851
-	-
PRP/5	PRP05
CNU/8/51	NU0851
-	-
BT/2	BT006
-	-
-	-
-	-
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

Type	Cat. No.
RP4/PT/GR	RP301GR
RP4/PT (Ex)i	RP401
PM/41/2 poles	PM412
PM/51/3 poles	PM513
PM/51/5 poles	PM515
PM/51/10 poles	PM510
-	-
PMP/58	PMP58
CPM/01 (CPX/01)	CPM01 (CPX01)
DFF/2	DFF2..
PSD/A	PDO01
SDD/1	DD001
CNU/8/61	NU0861
-	-
PRP/5	PRP05
CNU/8/51	NU0851
CSC	CS...
BT/2	BT006
-	-
-	-
PR/2/AC of steel	PR009
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 Std.

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 / tightening torque value	UL (Ex e) rated voltage / (V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/15

APPROVALS

RF1.2/GR	Cat. No.	RF110GR
feed-through for push-on tab connections		
2,5		
sino a 2,5		
-	-	-
400 V / 20 A / -	-	-
600 V / 20 A / 12 AWG max	-	-
- / -	-	-
6 KV / 3	-	-
-	-	-
- / -	-	-
32 / 28 / 6	-	-



TR.2	Cat. No.	TR110
earth		
2,5		
0,2 ÷ 4	-	-
0,2 ÷ 4	-	-
2,5 - WP25/14	-	-
- / - / A3	-	-
- / - / 20-12 AWG / 3,5 lb.in	-	-
- / -	-	-
6 KV / 3	-	-
8	-	-
0,4 / 0,8	-	-
32 / 27 / 5	-	-



TR.4	Cat. No.	TR200
earth		
4		
0,2 ÷ 6	-	-
0,2 ÷ 6	-	-
4 - WP40/16	-	-
- / - / A4	-	-
- / - / 20-10 AWG / 5,5 lb.in	-	-
- / -	-	-
6 KV / 3	-	-
9	-	-
0,5 / 1,2	-	-
35 / 35 / 7,3	-	-



ACCESSORIES	
End sections	grey blue
Permanent cross connection	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Test plug socket	
Test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail	according to IEC 60715 Std.

Type	Cat. No.
RFN/PT/GR	RF101GR
-	-
POF/17	POF17
-	-
PMP/17	PMP17
CPM/17	CPM17
DFP/2	DFP2..
PSD/K	PDO11
SDD/1	DD001
CNU/8/61	NU0861
-	-
CNU/8/61	NU0861
CSC	CS...
BT/2	BT006
-	-
-	-
-	-

Type	Cat. No.
TR.2/PT	TR111
-	-
-	-
-	-
DFP/2	DFP2..
-	-
-	-
CNU/8/51	NU0851
-	-
CNU/8/51	NU0851
-	-
BT/2	BT006
-	-
-	-
-	-

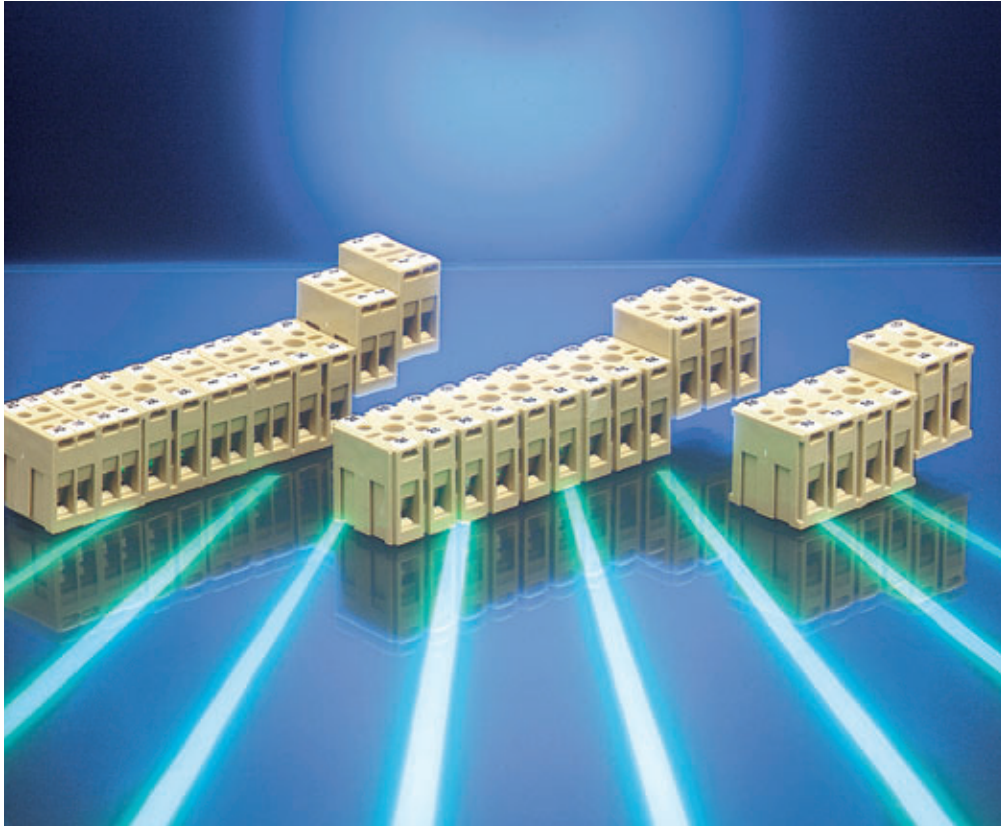
Type	Cat. No.
-	-
-	-
-	-
-	-
DFP/2	DFP2..
-	-
-	-
CNU/8/51	NU0851
CSC	CS...
BT/2	BT006
-	-
-	-
-	-

PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

PR/2/AC of steel	PR009
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 Cat. No. BP100	TPL.4 Cat. No. TP100	BPL/R Cat. No. BP200
TECHNICAL CHARACTERISTICS			
function / type	two-pole	three-pole	two-pole reduced pitch
rated cross-section (mm ²)	4	4	4
connecting capacity			
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
rigid (mm ²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm ²)-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 / max) (Nm)	0,5 / 0,7	0,5 / 0,7	0,5 / 0,7
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 bod



- 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 (mm ²)	4	4
connecting capacity		
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 6
rigid (mm ²)	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm ²)-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 (Ex e) rated voltage (V)	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12
tightening torque value (test / max) (Nm)	0,5 / 0,7	0,5 / 0,7
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

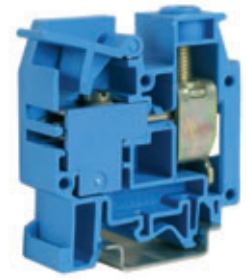
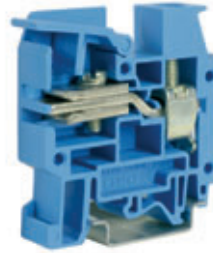
BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210)
equipped with screw connections on the same side as the solder connections

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



(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 (mm ²)	6	6	6
connecting capacity			
flexible (mm ²)	0,5 ÷ 6	0,5 ÷ 16	0,5 ÷ 35
rigid (mm ²)	0,5 ÷ 10	0,5 ÷ 25	0,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	16 - WP160/22	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	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 (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	10,5	12	14,5
tightening torque value (test / max) (Nm)	1,2 / 1,9	2 / 3	2,5 / 5
height / width / thickness TH/35 7,5 mm	52 / 51 / 8	56 / 53 / 12	62 / 56 / 16
height / width / thickness TH/35 15 mm	60 / 51 / 8	64 / 53 / 12	70 / 56 / 16
height / width / thickness G32	56 / 51 / 8	61 / 53 / 12	66 / 56 / 16

APPROVALS

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	
End sections	blu	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	red, green, white	DFU/4	DU04..	DFU/4	DU04..	DFU/4	DU04..
Numbering strip		SNZ/8	SN005	SNZ/8	SN005	SNZ/8	SN005
Marking tag	printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
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