

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	(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	
height / width / thickness	

CBC.2/GR	
CBC.2	
CBC.2 (Ex)i	
Cat. No.	CBC02GR
Cat. No.	CBC02
Cat. No.	CBI02
feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
1000 V / 32 A (4 mm²) / A3	
600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	
27 A (2,5 mm²) / 37 A (4 mm²)	
500	
12 KV / 3	
9	
0,4 / 0,8	
52 / 44 / 5	
60 / 44 / 5	

CBC.4/GR	
CBC.4	
CBC.4 (Ex)i	
Cat. No.	CBC04GR
Cat. No.	CBC04
Cat. No.	CBI04
feed-through	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
1000 V / 41 A (6 mm²) / A4	
600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	
38 A (4 mm²) / 45 A (6 mm²)	
500	
12 KV / 3	
10	
0,5 / 1,2	
52 / 44 / 6	
60 / 44 / 6	

CBC.6/GR	
CBC.6	
CBC.6 (Ex)i	
Cat. No.	CBC06GR
Cat. No.	CBC06
Cat. No.	CBI06
feed-through	
6	
0,2 ÷ 10	
0,2 ÷ 10	
6 - WP60/20	
1000 V / 57 A (10 mm²) / A5	
600 V / 50 A / 20-8 AWG / 1,7 Nm	
53 A (6 mm²) / 64 A (10 mm²)	
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	PRO03
PR/3/AS same with slots	PRO05

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	PRO03
PR/3/AS same with slots	PRO05

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	PRO03
PR/3/AS same with slots	PRO05