


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	feed-through
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	1000 V / 32 A (4 mm ²) / A3
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A (*) / 20-12 AWG / 0,4 Nm
max current (*)	27 A (2,5 mm ²) / 37 A (4 mm ²)
(Ex e) rated voltage	500 (V)
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	9
tightening torque value (test / max) (Nm)	0,4 / 0,8
height / width / thickness	52 / 44 / 5
height / width / thickness	60 / 44 / 5

CBC.2/GR	Cat. No.	CBC02GR
CBC.2	Cat. No.	CBC02
CBC.2 (Ex)i	Cat. No.	CBIO2
function / type	feed-through	feed-through
rated cross-section (mm ²)	2,5	4
connecting capacity		
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 6
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 32 A (4 mm ²) / A3	1000 V / 41 A (6 mm ²) / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	600 V / 30 A (**) / 20-10 AWG / 0,5 Nm
max current (*)	27 A (2,5 mm ²) / 37 A (4 mm ²)	38 A (4 mm ²) / 45 A (6 mm ²)
(Ex e) rated voltage	500 (V)	500 (V)
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3
insulation stripping length (mm)	9	10
tightening torque value (test / max) (Nm)	0,4 / 0,8	0,5 / 1,2
height / width / thickness	52 / 44 / 5	52 / 44 / 6
height / width / thickness	60 / 44 / 5	60 / 44 / 6

CBC.4/GR	Cat. No.	CBC04GR
CBC.4	Cat. No.	CBC04
CBC.4 (Ex)i	Cat. No.	CBIO4
function / type	feed-through	feed-through
rated cross-section (mm ²)	4	6
connecting capacity		
flexible (mm ²)	0,2 ÷ 6	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 6	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 32 A (4 mm ²) / A3	1000 V / 57 A (10 mm ²) / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	600 V / 50 A / 20-8 AWG / 1,7 Nm
max current (*)	38 A (4 mm ²) / 45 A (6 mm ²)	53 A (6 mm ²) / 64 A (10 mm ²)
(Ex e) rated voltage	500 (V)	500 (V)
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3
insulation stripping length (mm)	10	10
tightening torque value (test / max) (Nm)	0,5 / 1,2	0,8 / 1,4
height / width / thickness	52 / 44 / 6	52 / 44 / 8
height / width / thickness	60 / 44 / 6	60 / 44 / 8

CBC.6/GR	Cat. No.	CBC06GR
CBC.6	Cat. No.	CBC06
CBC.6 (Ex)i	Cat. No.	CBIO6
function / type	feed-through	feed-through
rated cross-section (mm ²)	6	6
connecting capacity		
flexible (mm ²)	0,2 ÷ 10	0,2 ÷ 10
rigid (mm ²)	0,2 ÷ 10	0,2 ÷ 10
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 32 A (4 mm ²) / A3	1000 V / 57 A (10 mm ²) / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	600 V / 50 A / 20-8 AWG / 1,7 Nm
max current (*)	38 A (4 mm ²) / 45 A (6 mm ²)	53 A (6 mm ²) / 64 A (10 mm ²)
(Ex e) rated voltage	500 (V)	500 (V)
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3
insulation stripping length (mm)	10	10
tightening torque value (test / max) (Nm)	0,5 / 1,2	0,8 / 1,4
height / width / thickness	52 / 44 / 6	52 / 44 / 8
height / width / thickness	60 / 44 / 6	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	CBIO61
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	CBIO61
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	CBIO61
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