

# 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
- **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



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

Values in brackets are referred to the Ex e application

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
<b>CBC.10/GR</b>	<b>PTC/10</b>	800 (250)	630 (320)		800 (250)	800 (250)	630 (250)
<b>CBC.16/GR</b>	<b>PTC/10</b>	(320)	(320)		(500)	-	-
<b>CBC.35/GR</b>	<b>PTC/10</b>	(250)	-		(630)	-	-

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-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	
Cat. No. CBC10GR	
CBC.10 (Ex)i	
Cat. No. CBI10	
feed-through	10
	1,5 ÷ 16
	1,5 ÷ 16
	10 - WP100/21
	1000 V / 76 A (16 mm <sup>2</sup> ) / B6
	600 V / 65 A / 14-6 AWG / 1,9 Nm
	70 A (10 mm <sup>2</sup> ) / 85 A (16 mm <sup>2</sup> )
	400
	12 KV / 3
	12
	1,2 / 1,9
	52 / 44 / 10
	60 / 44 / 10

CBC.16/GR	
Cat. No. CBC16GR	
CBC.16 (Ex)i	
Cat. No. CBI16	
feed-through	25
	1,5 ÷ 25
	1,5 ÷ 25
	16 - WP160/22
	1000 V / 101 A (25 mm <sup>2</sup> ) / B7
	600 V / 100 A / 16-3 AWG / 2,8 Nm
	95 A (16 mm <sup>2</sup> ) / 114 A (25 mm <sup>2</sup> )
	500
	12 KV / 3
	15
	2 / 3
	56 / 47 / 12
	64 / 47 / 12

CBC.35/GR	
Cat. No. CBC35GR	
CBC.35 (Ex)i	
Cat. No. CBI35	
feed-through	50
	2,5 ÷ 50
	2,5 ÷ 50
	35 - WP350/30
	1000 V / 150 A (50 mm <sup>2</sup> ) / B9
	600 V / 125 A / 20-1 AWG / 8,47 Nm
	134 A (35 mm <sup>2</sup> ) / 160 A (50 mm <sup>2</sup> )
	630
	12 KV / 3
	18
	2,5 / 5
	63 / 56 / 16
	71 / 56 / 16

## APPROVALS



ACCESSORIES	
End sections	grey 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 (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.
<b>CBC.2-10/PT/GR</b>	CB061GR
<b>CBC.2-10/PT (Ex)i</b>	CBI061
<b>PTC/10/02</b> poles (*)	PTC1002
<b>PTC/10/03</b> poles (*)	PTC1003
<b>PTC/10/05</b> poles (*)	PTC1005
<b>PTC/10/10</b> poles (*)	PTC1010
<b>PTC/10/00</b> (25 poles) (*)	PTC1000
<b>57 / (47)</b>	
<b>PTC/SP</b>	PTC0990
-	
-	
<b>DFU/4</b>	DU04..
<b>DFM/800 - DFM/900</b>	DF800-900
-	
-	
-	
-	
-	
<b>PRP/7/G</b> (100 mm)	PRP070G
-	
<b>CNU/8/51</b>	NU0851
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b> for PR/3 only	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> for PR/DIN and PR/3	PRO03
<b>PR/3/AS</b> same with slots	PRO05

Type	Cat. No.
<b>CBC.16/PT/GR</b>	CB161GR
<b>CBC.16/PT (Ex)i</b>	CBI161
<b>POF/53</b>	POF53
<b>(PFX/53)</b>	(PFX53)
(same, Ex e version)	
<b>76 / (76)</b>	
-	
<b>POS/53</b>	POS53
<b>PMP/05</b>	PMP05
<b>CPM/53 (CPX/53)</b>	CPM53 (CPX53)
<b>DFU/4</b>	DU04..
<b>DFM/700</b>	DF700
<b>PSD/B</b>	PD002
<b>SDD/2</b>	DD002
-	
-	
-	
-	
<b>TUM/16</b> on 3 and 4	TUM16
-	
<b>PRP/7</b>	PRP07
<b>CNU/8/51</b>	NU0851
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b> for PR/3 only	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> for PR/DIN and PR/3	PRO03
<b>PR/3/AS</b> same with slots	PRO05

Type	Cat. No.
<b>CBC.35/PT/GR</b>	CB351GR
<b>CBC.35/PT (Ex)i</b>	CBI351
<b>POF/06</b>	POF06
<b>PFX/06</b>	(PFX06)
(same, Ex e version)	
<b>125 / (125)</b>	
-	
-	
<b>PMP/06</b>	PMP06
<b>CPM/06 (CPX/06)</b>	CPM06 (CPX06)
<b>DFU/5</b>	DU05..
<b>DFM/700</b>	DF700
<b>PSD/B</b>	PD002
<b>SDD/2</b>	DD002
-	
-	
-	
-	
<b>TUM/06</b> on 3 and 4	TUM06
-	
<b>PRP/8</b>	PRP08
<b>CNU/8/51</b>	NU0851
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b> for PR/3 only	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> for PR/DIN and PR/3	PRO03
<b>PR/3/AS</b> same with slots	PRO05