





## CBC Series

- UL94V-0
- reduced overall dimensions
- patented "Easy Bridge" system: double possibility of insertion of multi-pole PTC cross connections, with no need for additional insulating covers
- mounting on PR/3 rails according IEC 60715, TH/35 type
- available in grey and blue
- nominal voltage 1000 V
- certificate **CESI 08 ATEX 061 U** Ex e   
I M2 / II 2 G D  
temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0002U** Ex e II
- maximum continual operating temperature 100°C






The suffix **/GR** identifies the grey version.  
The figures in brackets refer to Ex e application.




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) - 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  /  / rated current	
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

## 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
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	

CBC.10/GR	
Cat. No.	CBC10GR
CBC.10 (Ex)i	
Cat. No.	CB110
	
feed-through	10
flexible	1.5 – 16
rigid	1.5 – 16
max. flexible with ferrule (mm) - ferrule type	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 76 A (16 mm <sup>2</sup> ) / B6
rated voltage / rated current / AWG / tightening torque value UL max current (*)	600 V / 65 A / 14-6 AWG / 1.9 Nm 70 A (10 mm <sup>2</sup> ) / 85 A (16 mm <sup>2</sup> )
(Ex e) rated voltage  /  / rated current	400 V / 57 A
rated impulse withstand voltage / pollution degree	8 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	
Cat. No.	CBC16GR
CBC.16 (Ex)i	
Cat. No.	CB116
	
feed-through	16
flexible	1.5 – 25
rigid	1.5 – 25
max. flexible with ferrule (mm) - ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 101 A (25 mm <sup>2</sup> ) / B7
rated voltage / rated current / AWG / tightening torque value UL max current (*)	600 V / 100 A / 16-3 AWG / 2.8 Nm 95 A (16 mm <sup>2</sup> ) / 114 A (25 mm <sup>2</sup> )
(Ex e) rated voltage  /  / rated current	500 V / 76 A
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	
Cat. No.	CBC35GR
CBC.35 (Ex)i	
Cat. No.	CB135
	
feed-through	35
flexible	2.5 – 50
rigid	2.5 – 50
max. flexible with ferrule (mm) - ferrule type	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 150 A (50 mm <sup>2</sup> ) / B9
rated voltage / rated current / AWG / tightening torque value UL max current (*)	600 V / 125 A / 12-1 AWG / 8.47 Nm 134 A (35 mm <sup>2</sup> ) / 160 A (50 mm <sup>2</sup> )
(Ex e) rated voltage  /  / rated current	630 V / 125 A
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




Type	Cat. No.
<b>CBC.2-10/PT/GR</b>	CB061GR
<b>CBC.2-10/PT (Ex)i</b>	CB1061
<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/R</b>	DU04R
<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

Type	Cat. No.
<b>CBC.16/PT/GR</b>	CB161GR
<b>CBC.16/PT (Ex)i</b>	CB1161
<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> 21 poles	PMP05
<b>CPM/53 (CPX/53)</b>	CPM53 (CPX53)
<b>DFU/4/R</b>	DU04R
<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

Type	Cat. No.
<b>CBC.35/PT/GR</b>	CB351GR
<b>CBC.35/PT (Ex)i</b>	CB1351
<b>POF/35</b>	POF35
<b>PFX/35</b>	(PFX35)
(same, Ex e version)	
<b>125 / (125)</b>	
-	-
-	-
<b>PMP/35</b> 16 poles	PMP35
<b>CPM/35 (CPX/35)</b>	CPM35 (CPX35)
<b>DFU/5/R</b>	DU05R
<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

### CBC Series





- insulating body UL94V-0
- reduced overall dimensions
- double possibility of inserting multi-pole PTC cross connections, with no need for additional insulating covers, thanks to the patented "Easy Bridge" (PTC) system and to the new "Easy Bridge Plus" (PTP)
- mounting on PR/3 rails according to IEC 60715, TH/35 type
- available in grey and blue. For other available colours refer to the single versions
- nominal voltage 1000 V
- certificate **CESI 08 ATEX 061 U Ex e**  I M2 / II 2 G D  
temperature range of use: -40 – +80°C
- CoC IEC Ex CES 09.0002U** Ex e II
- maximum continual operating temperature 100°C



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

The suffix **/GR** identifies the grey version.  
The figures in brackets refer to Ex e application.





<b>grey version</b>
<b>(Ex)i version</b>

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) - 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  /  / rated current	
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

### APPROVALS

ACCESSORIES	
End sections	grey blue
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	
Rated current carrying capacity of jumper (same, Ex e version)	(A)
Green	PTC
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red
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	





<b>CBC.2/GR</b>	Cat. No. <b>CBC02GR</b>
<b>CBC.2 (Ex)i</b>	Cat. No. <b>CBI02</b>

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) - 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  /  / rated current	
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



Type	Cat. No.
<b>CBC.2-10/PT/GR</b>	CB061GR
<b>CBC.2-10/PT (Ex)i</b>	CBI061
<b>PTC/2/02</b> poles	PTC0202
<b>PTC/2/03</b> poles	PTC0203
<b>PTC/2/05</b> poles	PTC0205
<b>PTC/2/10</b> poles	PTC0210
<b>PTC/2/00</b> (50 poles)	PTC0200
<b>24 / (21)</b>	
<b>PTC/SP</b>	PTC0990
-	-
<b>DFU/4/R</b>	DU04R
<b>DFM/800 - DFM/900</b>	DF800-900
-	-
<b>SDC/5 - SDC/5P</b>	DC005-DC05P
<b>SDC/POL</b>	DCPOL
-	-
<b>CNU/8/51</b>	NU0851
<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>CBC.4/GR</b>	Cat. No. <b>CBC04GR</b>
<b>CBC.4 (Ex)i</b>	Cat. No. <b>CBI04</b>

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) - 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  /  / rated current	
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



Type	Cat. No.
<b>CBC.2-10/PT/GR</b>	CB061GR
<b>CBC.2-10/PT (Ex)i</b>	CBI061
<b>PTC/4/02</b> poles	PTC0402
<b>PTC/4/03</b> poles	PTC0403
<b>PTC/4/05</b> poles	PTC0405
<b>PTC/4/10</b> poles	PTC0410
<b>PTC/4/00</b> (42 poles)	PTC0400
<b>32 / (25)</b>	
<b>PTC/SP</b>	PTC0990
-	-
<b>DFU/4/R</b>	DU04R
<b>DFM/800 - DFM/900</b>	DF800-900
-	-
<b>SDC/6 - SDC/6P</b>	DC006-DC06P
<b>SDC/POL</b>	DCPOL
-	-
<b>CNU/8/61</b>	NU0861
<b>PRP/7/G</b> (100 mm)	PRP070G
-	-
<b>CNU/8/61</b>	NU0861
<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>CBC.6/GR</b>	Cat. No. <b>CBC06GR</b>
<b>CBC.6 (Ex)i</b>	Cat. No. <b>CBI06</b>

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) - 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  /  / rated current	
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



Type	Cat. No.
<b>CBC.2-10/PT/GR</b>	CB061GR
<b>CBC.2-10/PT (Ex)i</b>	CBI061
<b>PTC/6/02</b> poles	PTC0602
<b>PTC/6/03</b> poles	PTC0603
<b>PTC/6/05</b> poles	PTC0605
<b>PTC/6/10</b> poles	PTC0610
<b>PTC/6/00</b> (31 poles)	PTC0600
<b>41 / (35)</b>	
<b>PTC/SP</b>	PTC0990
-	-
<b>DFU/4/R</b>	DU04R
<b>DFM/800 - DFM/900</b>	DF800-900
-	-
<b>SDC/6 - SDC/6P</b>	DC006-DC06P
<b>SDC/POL</b>	DCPOL
-	-
<b>CNU/8/51</b>	NU0851
<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