

WPD 204 2X25/4X16+6X10 2XGY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

General ordering data

Version	Potential distributor terminal, Screw connection, Light Grey, 25 mm ² , 164 A, 1000 V, Number of connections: 12, Number of levels: 1
Order No.	1562150000
Type	WPD 204 2X25/4X16+6X10 2XGY
GTIN (EAN)	4050118385236
Qty.	1 pc(s).

WPD 204 2X25/4X16+6X10 2XGY

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Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Height	68 mm	Height (inches)	2.677 inch
Width	63 mm	Width (inches)	2.48 inch
Net weight	202 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	Light Grey
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Rail	Mounting plate, TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	Installation advice	Terminal rail / mounting plate
Open sides	closed	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Clamping range, max.	25 mm ²	Clamping range, min.	1.5 mm ²
Connection cross-section, stranded, max.	25 mm ²	Connection direction	on side
Number of connections	12	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	AWG 4
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²	Wire connection cross-section, solid core, max.	25 mm ²

General

Installation advice	Terminal rail / mounting plate	Number of poles	2
Rail	Mounting plate, TS 35	Standards	IEC 60947-7-1, UL 1059
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 16

Creation date May 15, 2025 11:01:54 PM CEST

Catalogue status 10.05.2025 / We reserve the right to make technical changes.

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Technical data

Rating data

Rated cross-section	25 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	164 A	Current at maximum wires	164 A
Standards	IEC 60947-7-1, UL 1059	Power loss in accordance with IEC 60947-7-x	2.5 W

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-19	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2

Important note

Product information	The socket complies with flammability class V-2 according to UL94.
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Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	UKCA Ex Attestation of Conformity CB Certificate DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks DATA SHEET WPD 204 Manual - How to connect aluminum wires in WPD-Terminal blocks Torque_Conductor_Connection_Data_WPD_EN Drehmoment_Leiteranschlussdaten_WPD_DE
Catalogues	Catalogues in PDF-format
Brochures	

www.weidmueller.com

Connector connection data according to IEC 60947-1 (2x)									
		connection point A							
input		Diagram		Dimensions					
		1-2	3-4	1-2	3-4				
20 mm		1-2	3-4	1-2	3-4				
25 mm		1-2	3-4	1-2	3-4				
30 mm		1-2	3-4	1-2	3-4				
35 mm		1-2	3-4	1-2	3-4				
40 mm		1-2	3-4	1-2	3-4				
45 mm		1-2	3-4	1-2	3-4				
50 mm		1-2	3-4	1-2	3-4				
55 mm		1-2	3-4	1-2	3-4				
60 mm		1-2	3-4	1-2	3-4				
65 mm		1-2	3-4	1-2	3-4				
70 mm		1-2	3-4	1-2	3-4				
75 mm		1-2	3-4	1-2	3-4				
80 mm		1-2	3-4	1-2	3-4				
85 mm		1-2	3-4	1-2	3-4				
90 mm		1-2	3-4	1-2	3-4				
95 mm		1-2	3-4	1-2	3-4				
100 mm		1-2	3-4	1-2	3-4				
105 mm		1-2	3-4	1-2	3-4				
110 mm		1-2	3-4	1-2	3-4				
115 mm		1-2	3-4	1-2	3-4				
120 mm		1-2	3-4	1-2	3-4				
125 mm		1-2	3-4	1-2	3-4				
130 mm		1-2	3-4	1-2	3-4				
135 mm		1-2	3-4	1-2	3-4				
140 mm		1-2	3-4	1-2	3-4				
145 mm		1-2	3-4	1-2	3-4				
150 mm		1-2	3-4	1-2	3-4				
155 mm		1-2	3-4	1-2	3-4				
160 mm		1-2	3-4	1-2	3-4				
165 mm		1-2	3-4	1-2	3-4				
170 mm		1-2	3-4	1-2	3-4				
175 mm		1-2	3-4	1-2	3-4				
180 mm		1-2	3-4	1-2	3-4				
185 mm		1-2	3-4	1-2	3-4				
190 mm		1-2	3-4	1-2	3-4				
195 mm		1-2	3-4	1-2	3-4				
200 mm		1-2	3-4	1-2	3-4				
205 mm		1-2	3-4	1-2	3-4				
210 mm		1-2	3-4	1-2	3-4				
215 mm		1-2	3-4	1-2	3-4				
220 mm		1-2	3-4	1-2	3-4				
225 mm		1-2	3-4	1-2	3-4				
230 mm		1-2	3-4	1-2	3-4				
235 mm		1-2	3-4	1-2	3-4				
240 mm		1-2	3-4	1-2	3-4				
245 mm		1-2	3-4	1-2	3-4				
250 mm		1-2	3-4	1-2	3-4				
255 mm		1-2	3-4	1-2	3-4				
260 mm		1-2	3-4	1-2	3-4				
265 mm		1-2	3-4	1-2	3-4				
270 mm		1-2	3-4	1-2	3-4				
275 mm		1-2	3-4	1-2	3-4				
280 mm		1-2	3-4	1-2	3-4				
285 mm		1-2	3-4	1-2	3-4				
290 mm		1-2	3-4	1-2	3-4				
295 mm		1-2	3-4	1-2	3-4				
300 mm		1-2	3-4	1-2	3-4				
305 mm		1-2	3-4	1-2	3-4				
310 mm		1-2	3-4	1-2	3-4				
315 mm		1-2	3-4	1-2	3-4				
320 mm		1-2	3-4	1-2	3-4				
325 mm		1-2	3-4	1-2	3-4				
330 mm		1-2	3-4	1-2	3-4				
335 mm		1-2	3-4	1-2	3-4				
340 mm		1-2	3-4	1-2	3-4				
345 mm		1-2	3-4	1-2	3-4				
350 mm		1-2	3-4	1-2	3-4				
355 mm		1-2	3-4	1-2	3-4				
360 mm		1-2	3-4	1-2	3-4				
365 mm		1-2	3-4	1-2	3-4				
370 mm		1-2	3-4	1-2	3-4				
375 mm		1-2	3-4	1-2	3-4				
380 mm		1-2	3-4	1-2	3-4				
385 mm		1-2	3-4	1-2	3-4				
390 mm		1-2	3-4	1-2	3-4				
395 mm		1-2	3-4	1-2	3-4				
400 mm		1-2	3-4	1-2	3-4				
405 mm		1-2	3-4	1-2	3-4				
410 mm		1-2	3-4	1-2	3-4				
415 mm		1-2	3-4	1-2	3-4				
420 mm		1-2	3-4	1-2	3-4				
425 mm		1-2	3-4	1-2	3-4				
430 mm		1-2	3-4	1-2	3-4				
435 mm		1-2	3-4	1-2	3-4				
440 mm		1-2	3-4	1-2	3-4				
445 mm		1-2	3-4	1-2	3-4				
450 mm		1-2	3-4	1-2	3-4				
455 mm		1-2	3-4	1-2	3-4				
460 mm		1-2	3-4	1-2	3-4				
465 mm		1-2	3-4	1-2	3-4				
470 mm		1-2	3-4	1-2	3-4				
475 mm		1-2	3-4	1-2	3-4				
480 mm		1-2	3-4	1-2	3-4				
485 mm		1-2	3-4	1-2	3-4				
490 mm		1-2	3-4	1-2	3-4				
495 mm		1-2	3-4	1-2	3-4				
500 mm		1-2	3-4	1-2	3-4				
505 mm		1-2	3-4	1-2	3-4				
510 mm		1-2	3-4	1-2	3-4				
515 mm		1-2	3-4	1-2	3-4				
520 mm		1-2	3-4	1-2	3-4				
525 mm		1-2	3-4	1-2	3-4				
530 mm		1-2	3-4	1-2	3-4				
535 mm		1-2	3-4	1-2	3-4				
540 mm		1-2	3-4	1-2	3-4				
545 mm		1-2	3-4	1-2	3-4				
550 mm		1-2	3-4	1-2	3-4				
555 mm		1-2	3-4	1-2	3-4				
560 mm		1-2	3-4	1-2	3-4				
565 mm		1-2	3-4	1-2	3-4				
570 mm		1-2	3-4	1-2	3-4				
575 mm		1-2	3-4	1-2	3-4				
580 mm		1-2	3-4	1-2	3-4				
585 mm		1-2	3-4	1-2	3-4				
590 mm		1-2	3-4	1-2	3-4				
595 mm		1-2	3-4	1-2	3-4				
600 mm		1-2	3-4	1-2	3-4				
605 mm		1-2	3-4	1-2	3-4				
610 mm		1-2	3-4	1-2	3-4				
615 mm		1-2	3-4	1-2	3-4				
620 mm		1-2	3-4	1-2	3-4				
625 mm		1-2	3-4	1-2	3-4				
630 mm		1-2	3-4	1-2	3-4				
635 mm		1-2	3-4	1-2	3-4				
640 mm		1-2	3-4	1-2	3-4				
645 mm		1-2	3-4	1-2	3-				

Connector connection data according to UL 1059 (Au-Cu)

Conductor (mm²)

20/25/28 AWG

Insert (mm)	Cuwire		Aluminum						
	C 20	C 25		C 20	C 25		C 20	C 25	
AWG 4									
AWG 6									
AWG 8	22.10 mm			41.10 mm			41.10 mm		
AWG 10		22.10 mm							
AWG 12									
max. current	80 A	80 A	80 A	50 A	50 A	50 A	80 A	80 A	80 A
Voltage up to (kV)	600 V								

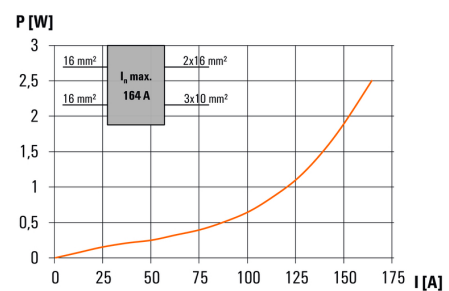
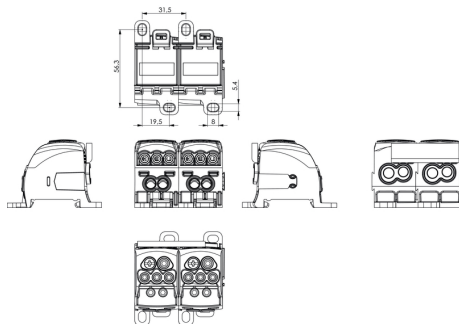
20-pin

25-pin

Insert (mm)	connector post 1/3						connector post 4/5			connector post 6		
	C 20	C 25	C 28	C 20	C 25	C 28	C 20	C 25	C 28	C 20	C 25	C 28
AWG 4												
AWG 6												
AWG 8												
AWG 10							41.10 mm	41.10 mm				
AWG 12												
AWG 14												
AWG 16	22.10 mm			22.10 mm								
AWG 18		22.10 mm										
AWG 20										22.10 mm	22.10 mm	
max. current	80 A	80 A	80 A	80 A	80 A	80 A	80 A	80 A	80 A	80 A	80 A	80 A
Voltage up to (kV)	600 V						600 V			600 V		

C 20	C 25	C 28	
20-pin	25-pin	28-pin	35-pin

CSA Rating data according to CSA 22.2 No. 158						
Certificate No. (CSA)						
200022						
	Input	Output				
	Q ¹ A	Q ¹ B	Q ¹ C	Q ¹ D		
AVG 4						
AVG 5						
AVG 6	2.5 Nm					
AVG 7		2.5 Nm	2.5 Nm	2.5 Nm		
AVG 8						
AVG 9						
AVG 10						
AVG 12						
AVG 15						
AVG 18						
AVG 20						
AVG 25						
AVG 30						
AVG 35						
AVG 40						
AVG 45						
AVG 50						
AVG 55						
AVG 60						
AVG 65						
AVG 70						
AVG 75						
AVG 80						
AVG 85						
AVG 90						
AVG 95						
AVG 100						
AVG 105						
AVG 110						
AVG 115						
AVG 120						
AVG 125						
AVG 130						
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AVG 220						
AVG 225						
AVG 230						
AVG 235						
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AVG 245						
AVG 250						
AVG 255						
AVG 260						
AVG 265						
AVG 270						
AVG 275						
AVG 280						
AVG 285						
AVG 290						
AVG 295						
AVG 300						



Power distribution

Screw connection

W-Series

WPD 104 1x25+1x16/2x16+3x10



WPD 104

25 mm²



WPD 204

25 mm²



Width / Height / Depth	mm
max. current / max. conductor	A/mm ²
max. clamping range	mm ²

31.5 / 49 / 68	10 mm ²	16 mm ²	25 mm ²
101 / 25			
1.5...25			

63 / 49 / 68	10 mm ²	16 mm ²	25 mm ²
101 / 25			
1.5...25			

Technical data

Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	25 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	25 mm ²	mm ²
	16 mm ²	mm ²
	10 mm ²	mm ²
	25 mm ²	mm ²
Flexible with ferrule	16 mm ²	mm ²
	10 mm ²	mm ²
	25 mm ²	mm/-
	16 mm ²	mm/-
Stripping length / Blade size	10 mm ²	mm/-
	16 mm ²	mm/-
Tightening torque	Nm	
Note		

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			
Rated connection			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
1.5...16			
1.5...10			
1.5...6			
12 / M5			
14 / M6			
19 / M6			
see appendix at the end of the chapter			
Note			

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			
Rated connection			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
1.5...16			
1.5...10			
1.5...6			
12 / M5			
14 / M6			
19 / M6			
see appendix at the end of the chapter			
Note			

Ordering data

Version	
	grey
	blue
	red
	black
Note	

Type	Qty.	Order No.
WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000
WPD 104 1x25+1x16/2x16+3x10 BL	1	2518250000
WPD 104 1x25+1x16/2x16+3x10 RD	1	2725260000
WPD 104 1x25+1x16/2x16+3x10 BK	1	2725360000
Note		

Type	Qty.	Order No.
WPD 204 2x25/4x16+6x10 2XGY	1	1562150000
WPD 204 2x25/4x16+6x10 2XBL	1	2518330000
WPD 204 2x25/4x16+6x10 2XRD	1	2725290000
WPD 204 2x25/4x16+6x10 2XBK	1	2725390000
Note		

Accessories

Cross connection	
	2-pole
	3-pole
End bracket	
	dark beige
	dark beige
Screwdriver	
	SET
Note	

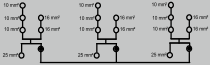
Type	Qty.	Order No.
WQB WPD X04/2	20	1561980000
WQB WPD X04/3	20	1561990000
Note		
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
Note		
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000
Note		

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
Note		
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000
Note		

WPD 304 25 mm²



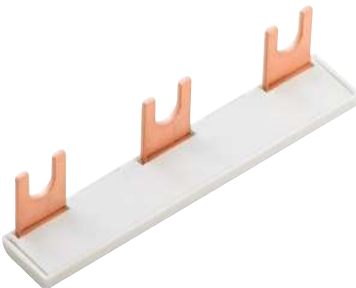
94.5 / 49 / 68
101 / 25
1.5...25



IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)			
IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			
Rated connection			
2.5...25 / 2.5...25			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
1.5...16			
1.5...10			
1.5...6			
12 / M5			
14 / M6			
19 / M6			
see appendix at the end of the chapter			

Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XGY	1	1562160000
WPD 304 3X25/6X16+9X10 3XBL	1	2518340000
WPD 304 3x25/6x16+9x10 3xRD	1	2725300000
WPD 304 3x25/6x16+9x10 3xBK	1	2725400000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

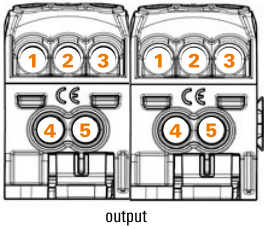


B

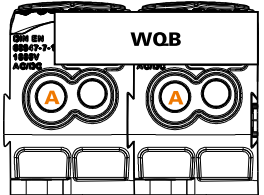


Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

connection point A				
Input	Copper		Aluminium*	
				
25 mm ²	2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm
16 mm ²				
10 mm ²				
6 mm ²				
4 mm ²				
2.5 mm ²				
1.5 mm ²				
Stripping lengths	19 mm			
Allen screw	M6			
* Values according to UL 1059				



output



input

Output	connection point 1/2/3				connection point 4/5				connection point B												
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*										
																					
16 mm²	2 Nm	2 Nm			2,5 Nm	2,5 Nm	5,1 Nm		2,5 Nm	2,5 Nm											
10 mm²			5,1 Nm				5,1 Nm				5,1 Nm										
6 mm²																					
4 mm²																					
2.5 mm²																					
1.5 mm²																					
Stripping lengths	12 mm								14 mm							19 mm					
Allen screw	M5				M6				M6												
* Values according to UL 1059																					



Stranded



Solid

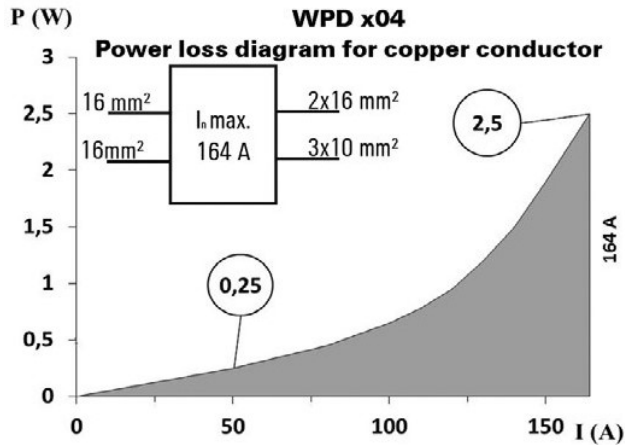


Flexible with ferrule



Sector shaped

B



UL Rating data according to UL 1059

Certificate no. (UR)		XCFR2.E60693			
connection point A					
Input (line)	Copper		Aluminium		
					
AWG 4	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	
AWG 6					
AWG 8					
AWG 10					
AWG 12					
max. current	85 A	65 A	65 A	50 A	
Voltage size B,C (UR)	600 V				

output (load)	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium	
												
AWG 4	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	22.1 Lb In.
AWG 6												
AWG 8												
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	65 A	50 A	50 A		85 A	65 A	65 A	50 A	65 A	50 A	50 A	
Voltage size B,C (UR)	600 V											



Mehrdrähtig



Eindrähtig



Feindrähtig mit Aderendhülse

CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

Certificate No. (CSA)		269832			
	Input	Output			
	CP* A	CP* 1/2/3	CP* 4/5	CP* B	
AWG 4	2,5 Nm.				
AWG 6					
AWG 8		2,5 Nm	2,5 Nm	2,5 Nm	
AWG 10					
AWG 12					
AWG 14					
AWG 16					
max. current	85 A	50 A	50 A	65 A	
Voltage size C (CSA)	600 V				
* CP - connection point					

B

