

WPD 104 1X25+1X16/2X16+3X10 BL**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, blue, 25 mm ² , 164 A, 1000 V, Number of connections: 7, Number of levels: 1, Mounting plate, TS 35, V-O, Wemid
Order No.	2518250000
Type	WPD 104 1X25+1X16/2X16+3X10 BL
GTIN (EAN)	4050118538267
Qty.	1 pc(s).

WPD 104 1X25+1X16/2X16+3X10 BL

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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	31.5 mm	Width (inches)	1.24 inch
Net weight	106.4 g		

Temperatures

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

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	550 V	Current (ATEX)	101 A
Wire cross section max. (ATEX)	25 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	101 A		

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	Rail	Mounting plate, TS 35
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

CSA rating data

Certificate number (cCSAus)	70128467
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Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Connection direction	on side	Number of connections	7
Type of connection	Screw connection	Type of connection 2	Screw connection

General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	Mounting plate, TS 35	Standards	IEC 60947-7-1, UL 1059

Creation date October 2, 2024 5:22:23 PM CEST

Catalogue status 28.09.2024 / 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	Standards	IEC 60947-7-1, UL 1059

UL rating data

Certificate No. (cURus)	E60693
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Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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		

Environmental Product Compliance

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

Important note

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

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

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www.weidmueller.com**Technical data****Downloads**

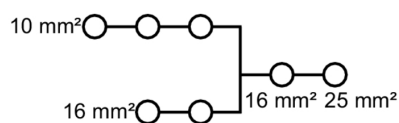
Approval/Certificate/Document of Conformity	Attestation of Conformity
	Attestation of Conformity
	UKCA Ex Attestation of Conformity
	CB Certificate
	ATEX Certificate
	IECEx Certificate
	VDE Certificate
	CCC Ex Certificate
	UKCA Ex Certificate
	DNV Certificate
	UKCA declaration of conformity
	Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
	DATA SHEET WPD 104
	NTI WPD 104
	Manual - How to connect aluminum wires in WPD-Terminal blocks
	Torque_Conductor_Connection_Data_WPD_EN
Catalogues	Drehmoment_Leiteranschlussdaten_WPD_DE
	Catalogues in PDF-format

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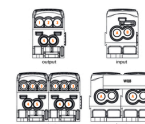
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Drawings



Conductor connection data according to IEC 60947-3-1 (Cu)

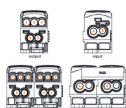
Input	Output	Output	Output
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²



Input	Output	Output	Output	Output	Output	Output	Output
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²
16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²	16 mm²

Conductor connection data according to UL 1059 (Al-Cu)

Input (AWG)	Output	Output	Output
AWG 14	14 AWG	14 AWG	14 AWG
AWG 12	12 AWG	12 AWG	12 AWG
AWG 10	10 AWG	10 AWG	10 AWG
AWG 8	8 AWG	8 AWG	8 AWG
AWG 6	6 AWG	6 AWG	6 AWG
AWG 4	4 AWG	4 AWG	4 AWG
AWG 2	2 AWG	2 AWG	2 AWG
AWG 0	0 AWG	0 AWG	0 AWG
AWG 00	00 AWG	00 AWG	00 AWG
AWG 000	000 AWG	000 AWG	000 AWG
AWG 0000	0000 AWG	0000 AWG	0000 AWG

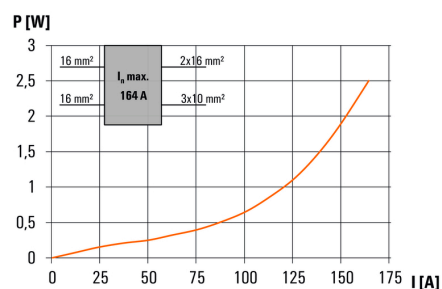
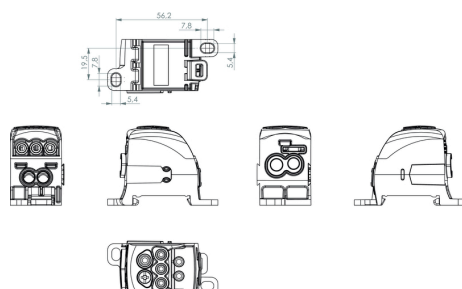


Input (AWG)	Output	Output	Output	Output	Output	Output	Output
AWG 14	14 AWG	14 AWG	14 AWG	14 AWG	14 AWG	14 AWG	14 AWG
AWG 12	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG	12 AWG
AWG 10	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG
AWG 8	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
AWG 6	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG	6 AWG
AWG 4	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG	4 AWG
AWG 2	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG
AWG 0	0 AWG	0 AWG	0 AWG	0 AWG	0 AWG	0 AWG	0 AWG
AWG 00	00 AWG	00 AWG	00 AWG	00 AWG	00 AWG	00 AWG	00 AWG
AWG 000	000 AWG	000 AWG	000 AWG	000 AWG	000 AWG	000 AWG	000 AWG
AWG 0000	0000 AWG	0000 AWG	0000 AWG	0000 AWG	0000 AWG	0000 AWG	0000 AWG

Standard 16 AWG 16 AWG 16 AWG 16 AWG 16 AWG 16 AWG 16 AWG 16 AWG

CSA Rating data according to CSA 22.2 No. 150

Input (AWG)	Output	Output	Output
AWG 14	14 AWG	14 AWG	14 AWG
AWG 12	12 AWG	12 AWG	12 AWG
AWG 10	10 AWG	10 AWG	10 AWG
AWG 8	8 AWG	8 AWG	8 AWG
AWG 6	6 AWG	6 AWG	6 AWG
AWG 4	4 AWG	4 AWG	4 AWG
AWG 2	2 AWG	2 AWG	2 AWG
AWG 0	0 AWG	0 AWG	0 AWG
AWG 00	00 AWG	00 AWG	00 AWG
AWG 000	000 AWG	000 AWG	000 AWG
AWG 0000	0000 AWG	0000 AWG	0000 AWG



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Accessories

Cross connection



General ordering data

Type	WQB WPD X04/3	Version
Order No.	1561990000	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 3,
GTIN (EAN)	4050118367324	Pitch in mm (P): 31.50, Insulated: Yes, Width: 80.2 mm
Qty.	20 pc(s).	
Type	WQB WPD X04/2	Version
Order No.	1561980000	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 2,
GTIN (EAN)	4050118367317	Pitch in mm (P): 31.50, Insulated: Yes, Width: 49.3 mm
Qty.	20 pc(s).	

Socket wrench sets

Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.



General ordering data

Type	SKS 2,0-8,0 MR	Version
Order No.	9008870000	socket wrenches
GTIN (EAN)	4032248266623	
Qty.	1 pc(s).	

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www.weidmueller.com**Accessories****Crosshead screwdriver Pozidriv**

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

Type	SDK PZ2	Version
Order No.	9008540000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056538	
Qty.	1 pc(s).	

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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www.weidmueller.com**Accessories****Custom printing**

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 9/17 K MC SDR	Version
Order No.	1674770000	ESG, Device markers x 17 mm, PA 66, Colour: To customer
GTIN (EAN)	4008190447656	specification, Self-adhesive
Qty.	40 pc(s).	

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		

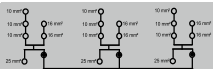
Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
Note		
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000
Note		

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			

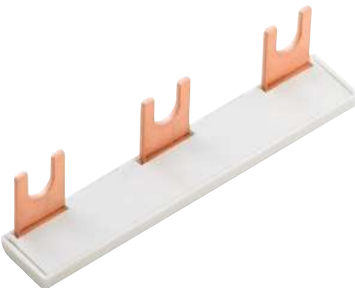
Rated connection

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



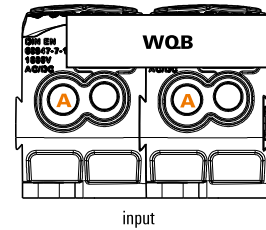
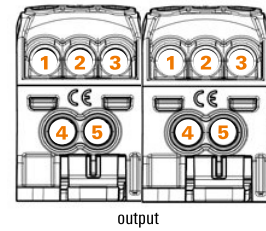
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













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

connection point A				
Input	Copper		Aluminium*	
				
25 mm²	2,5 Nm		5,1 Nm	
16 mm²		2,5 Nm		5,1 Nm
10 mm²				
6 mm²				
4 mm²				
2.5 mm²				
1.5 mm²				
Stripping lengths	19 mm			
Allen screw	M6			
* Values according to UL 1059				

* Values according to UL 1059



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	5,1 Nm		2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm	2,5 Nm	2,5 Nm	5,1 Nm	
10 mm²												
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												

* Values according to UL 1059



Stranded



Solid

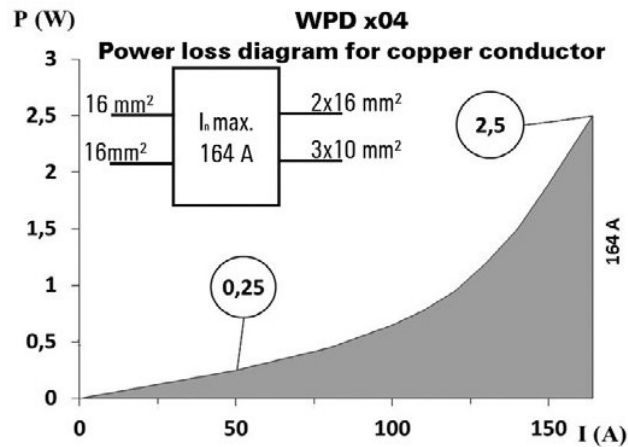


Flexible with ferrule



















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

