

WPD 501 2X25/2X16 1XGN/3XGY/1XBL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image**Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Version	Potential distributor terminal, Screw connection, Light Grey, 25 mm ² , 152 A, 1000 V, Number of connections: 20, Number of levels: 1
Order No.	1562140000
Type	WPD 501 2X25/2X16 1XGN/3XGY/1XBL
GTIN (EAN)	4050118385229
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	49.3 mm	Depth (inches)	1.9409 inch
Height	55.7 mm	Height (inches)	2.1929 inch
Width	88.8 mm	Width (inches)	3.4961 inch
Net weight	341.9 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

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

Material data

Basic material	Wemid	Colour	Light Grey
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	5	Number of levels	1
Number of clamping points per level	10	Number of potentials per tier	5
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	Yes
PE function	No	PEN function	No

Additional technical data

With snap-in pegs	No	Open sides	closed
Snap-on	No	Installation advice	Terminal rail / mounting plate
Explosion-tested version	Yes	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 4	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection

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Number of connections	20	Clamping range, max.	35 mm ²
Clamping range, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	25 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	25 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

Number of poles	5	Wire connection cross section AWG, max.	AWG 4
Installation advice	Terminal rail / mounting plate	Wire connection cross section AWG, min.	AWG 16
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2	Mounting rail	TS 35

Rating data

Rated cross-section	25 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1000 V
Nominal current	152 A	Current at maximum wires	152 A
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2		

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		

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Drawings



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

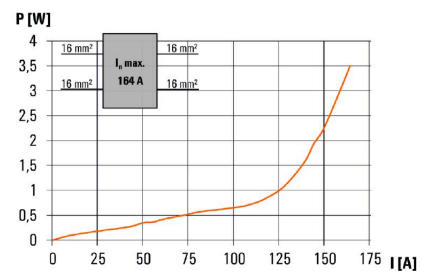
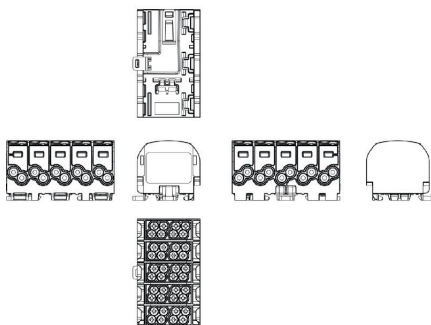
Certificate no. (BVR)					
XCFR2 1600893					
Input (line)	Line		Load		
	Copper	Aluminum	Copper	Aluminum	
AUGS 4	16 mm²	25 mm²	16 mm²	25 mm²	
AUGS 5	16 mm²	25 mm²	16 mm²	25 mm²	
AUGS 9	22.1 lb in	25 lb in	22.1 lb in	25 lb in	
AUGS 10	22.1 lb in	25 lb in	22.1 lb in	25 lb in	
AUGS 12	22.1 lb in	25 lb in	22.1 lb in	25 lb in	
AUGS 14	22.1 lb in	25 lb in	22.1 lb in	25 lb in	
AUGS 15	22.1 lb in	25 lb in	22.1 lb in	25 lb in	
max. current	80 A	90 A	80 A	90 A	60 A
Voltage size B.C. (V)	600 V				

 Stranded
  Solid
  Flexible with braid

CSA Rating data according to CSA 22.2 No. 158 ng data

Certificate no. (dRUs)					
XCFR2 1600893					
Input (line)	Line		Load		
	Copper	Aluminum	Copper	Aluminum	
AUGS 4	16 mm²	25 mm²	16 mm²	25 mm²	
AUGS 5	16 mm²	25 mm²	16 mm²	25 mm²	
AUGS 9	2.5 Nm	4 Nm	2.5 Nm	4 Nm	
AUGS 10	2.5 Nm	4 Nm	2.5 Nm	4 Nm	
AUGS 12	2.5 Nm	4 Nm	2.5 Nm	4 Nm	
AUGS 14	2.5 Nm	4 Nm	2.5 Nm	4 Nm	
AUGS 15	2.5 Nm	4 Nm	2.5 Nm	4 Nm	
max. current	80 A	90 A	80 A	90 A	60 A
Voltage size B.C. (V)	600 V				

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Accessories

Crosshead screwdriver Pozidriv

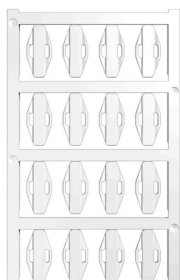


Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

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

V2



SlimFix X are halogen-free conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. SlimFix is an acknowledged and approved marker type in traffic engineering. The SF tool allows easy installation even in case of small markers.

- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

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	SFX 10/23 MC NE WS V2	Version
Order No.	1852390000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 23 x 11 mm,
GTIN (EAN)	4032248385362	white
Qty.	160 ST	
Type	SFX 14/23 MC NE WS V2	Version
Order No.	1852440000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 23 x 14 mm,
GTIN (EAN)	4032248385416	white
Qty.	160 ST	
Type	SFX 9/24 MC NE WS V2	Version
Order No.	1852490000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 24 x 15 mm,
GTIN (EAN)	4032248385461	white
Qty.	160 ST	

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Accessories

Blank



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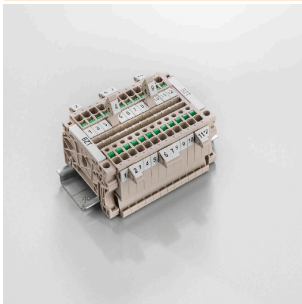
- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
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- Markers in proven MultiCard format

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General ordering data

Type	SFX 9/24 S MC NE WS	Version
Order No.	1323440000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 24 x 13.62 mm,
GTIN (EAN)	4050118125894	white
Qty.	120 ST	

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