WPD 101 2X25/2X16 GY

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, 1000 V, 152 A, Number of poles: 1, Light Grey
Order No.	1560730000
Type	WPD 101 2X25/2X16 GY
GTIN (EAN)	4050118365818
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	49.3 mm	Depth (inches)	1.941 inch
Height	55.7 mm	Height (inches)	2.193 inch
Width	17.8 mm	Width (inches)	0.701 inch
Net weight	68 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	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
N-function	No	PE function	No
PEN function	No		

Additional technical data

Installation advice	Terminal rail / mounting plate	Open sides	closed
Snap-on	Yes	Type of mounting	Snap-on
With snap-in pegs	Yes		

Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection

General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2		

Rating data

Rated voltage	1,000 V	Rated AC voltage	1,000 V
Rated DC voltage	1,000 V	Rated current	152 A
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2		

UL rating data

Certificate No. (cURus)	E60693

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Technical data

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	CB Certificate VDE Certificate VDE 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 101
Catalogues	Catalogues in PDF-format
Brochures	

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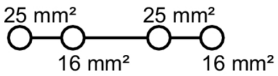
Drawings



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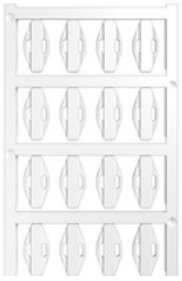
Accessories

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 pc(s).	

Blank

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

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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 pc(s).	

WPD 101 2X25/2X16 GY

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

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Accessories

V2

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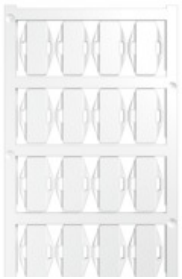
- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

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 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 pc(s).	

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

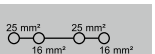
For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	SFX 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 pc(s).	

W-Series
WPD 101 2X25/2X16 GY

	WPD 101 25 mm²	WPD 301 25 mm²
Width / Height / Depth mm	17.8 / 49.3 / 55.7	53 / 49.3 / 55.7
max. current / max. conductor A/mm²	101 / 25	101 / 25
max. clamping range mm²	1.5...25	1.5...25



Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	25 mm²	mm²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	25 mm²	mm²
	16 mm²	mm²
Flexible with ferrule	25 mm²	mm²
	16 mm²	mm²
Stripping length / Blade size	25 mm²	mm/-
	16 mm²	mm/-
Tightening torque		Nm
Note		

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Ordering data

Version	
	light grey
	blue
	green
	brown
	black
	3x light grey / blue
	green / 3x light grey / blue
Note	

Type	Qty.	Order No.
WPD 101 2X25/2X16 GY	5	**1560730000**
WPD 101 2X25/2X16 BL	5	**1560670000**
WPD 101 2X25/2X16 GN	5	**1560650000**
WPD 101 2X25/2X16 BN	5	**1561120000**
WPD 101 2X25/2X16 BK	5	**1561100000**

Type	Qty.	Order No.
WPD 301 2X25/2X16 3XGY	2	**1561130000**

Accessories

End bracket	
	dark beige
	dark beige
Screwdriver	

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

WPD 401 — 25 mm²

71.6 / 49.3 / 55.7
101 / 25
1.5...25

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

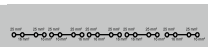
Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 401 2X25/2X16 4XGY	1	**1561800000**
WPD 401 2X25/2X16 3XGY/1XBL	1	**1562130000**

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

WPD 501 — 25 mm²

88.8 / 49.3 / 55.7
101 / 25
1.5...25



IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 501 2X25/2X16 5XGY	1	**1561750000**
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	**1562140000**

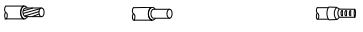
Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

Power distribution
Screw connection

Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

OInput (x2) / Output (x2)	Copper		Aluminium
2x35 mm² (round conductor)			
25 mm²	3,5 Nm		4 Nm
16 mm²		3,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		

OInput (x2) / Output (x2)	Copper		Aluminium
2x16 mm² (round conductor)			
35 mm²	2,5 Nm		
25 mm²			4 Nm
16 mm²		2,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		



Mehrdrähtig Eindrähtig Feindrähtig mit Aderendhülse

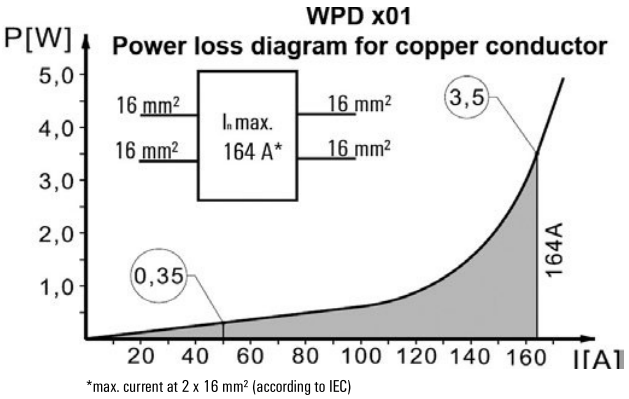
UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
	connection point A				CP** B
Input (line)	Copper		Aluminium		Copper
AWG 2/0	88.5 Lb In.		120.4 Lb In.		
AWG 1/0		88.5 Lb In.		100 Lb In.	
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10					
Flat band 15.5x3.2 mm					17.4 Lb In.
max. current	160 A	150 A	135 A	120 A	160 A
Voltage size B,C (UR)	600 V				
** CP - connection point					

CSA rating data according to CSA 22.2 No. 158

Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus) - Cu	600 V	
	Current size B,C (cURus) - CU / CU / Tightening torque	
	Line	Load
AWG 4	90 A / 2,5 Nm	
AWG 6		65 A / 2,1 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 4	65 A / 4 Nm	
AWG 6	50 A / 4 Nm	65 A / 4 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		



*max. current at 2 x 16 mm² (according to IEC)