

WPD 102 2X35/2X25 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, Light Grey, 35 mm ² , 202 A, 1000 V, Number of connections: 4, Number of levels: 1
Order No.	1561680000
Type	WPD 102 2X35/2X25 GY
GTIN (EAN)	4050118366686
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	49.3 mm	Depth (inches)	1.941 inch
Height	55.4 mm	Height (inches)	2.181 inch
Width	22.2 mm	Width (inches)	0.874 inch
Net weight	91 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	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	Snap-on	Yes
Type of mounting	Snap-on	With snap-in pegs	Yes

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Clamping range, max.	35 mm ²	Clamping range, min.	2.5 mm ²
Connection cross-section, stranded, max.	35 mm ²	Connection direction	on side
Number of connections	4	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 14	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	25 mm ²	Wire connection cross-section, solid core, max.	35 mm ²

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Technical data

General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	TS 35	Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	202 A	Current at maximum wires	202 A
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2	Power loss in accordance with IEC 60947-7-x	4.5 W

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
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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	CB Certificate
	VDE Certificate
	VDE Certificate
	DNV Certificate
	CE Declaration of Conformity
	UKCA declaration of conformity
Engineering Data	Confirmation of Standards EN 45545-2_2020-10
	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
	DATA SHEET WPD X02
	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	

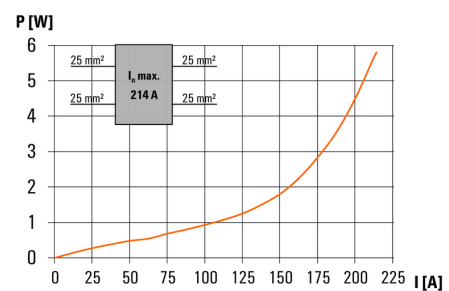
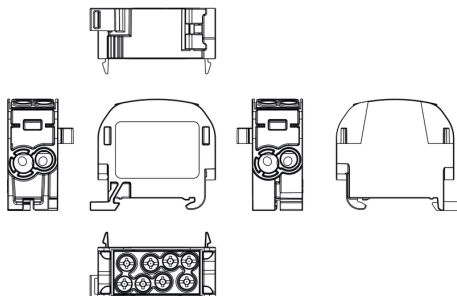
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Diagram illustrating a chain of four circles connected by horizontal lines. The top two circles are labeled 35 mm^2 and the bottom two are labeled 25 mm^2 .

[illegible]

Conductor connection data according to UL 1059 (A+C)					
Certificate no. (UR)		XCPR2.EB0693			
Input (mm)	Copper		Aluminium		Load
					
AWG 4			70.4 Lb In		
AWG 6			53 Lb In		53 Lb In
AWG 8			53 Lb In		35 Lb In
AWG 10	31 Lb In			22.1 Lb In	
AWG 12		31 Lb In			
AWG 14					
AWG 16					
min. conductor			125 A	115 A	90 A
Voltage max. B.C. (UR)			600 V		
					
Stranded	Solid	Flexible with ferrule			

CSA Rating data according to CSA 22.2 No. 158				
Certificate no. (cURus)		XCFR2 E60693		
Input (lines)	Copper	Aluminium	Copper	Aluminium
AWG 4				
AWG 6				
AWG 8	3.5 Nm	8 Nm	3.5 Nm	8 Nm
AWG 10		4 Nm		4 Nm
AWG 12				
AWG 14				
AWG 16				
max. current	125 A	90 A	95 A	65 A
Voltage size B.C (UR)	600 V			



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Accessories

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

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 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).	

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).	

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Accessories

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

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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 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).	

Power distribution

Screw connection

W-Series

WPD 401 2X25/2X16 4XGY



Application range

WPD 102

35 mm²



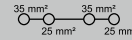
WPD 302

35 mm²



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

22.2 / 49.3 / 55.7
125 / 35
2.5...35



66.6 / 49.3 / 55.7
125 / 35
2.5...35



Technical data

Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	35 mm ²	mm ²
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	35 mm ²	mm ²
	25 mm ²	mm ²
Flexible with ferrule	35 mm ²	mm ²
	25 mm ²	mm ²
Stripping length / Blade size	35 mm ²	mm/-
	25 mm ²	mm/-
Tightening torque		Nm
Note		

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

IEC	UL	CSA	EN 60079-7
1000	600	600	
125	115	125	
35	AWG 14...2	AWG 14...2	
	8 kV / 3		
	III / V-0		
Rated connection			
4...35 / 4...35			
4...35 / 4...35			
2.5...25			
2.5...25			
22 / M6 (+/- PZ2)			
18 / 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	
125	115	125	
35	AWG 14...2	AWG 14...2	
	8 kV / 3		
	III / V-0		
Rated connection			
4...35 / 4...35			
4...35 / 4...35			
2.5...25			
2.5...25			
22 / M6 (+/- PZ2)			
18 / M6 (+/- PZ2)			
see appendix at the end of the chapter			

Ordering data

Version	
	light grey
	blue
	green
	brown
	black
Note	

Type	Qty.	Order No.
WPD 102 2X35/2X25 GY	5	1561680000
WPD 102 2X35/2X25 BL	5	1561640000
WPD 102 2X35/2X25 GN	5	1561670000
WPD 102 2X35/2X25 BN	5	1561650000
WPD 102 2X35/2X25 BK	5	1561630000

Type	Qty.	Order No.
WPD 302 2X35/2X25 3XGY	2	1561740000

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	1	9008540000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2	1	9008540000

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

Input (x2) / Output (x2)	Copper		Aluminium
2x35 mm ² (round conductor)			
35 mm ²	3,5 Nm	3,5 Nm	8 Nm
25 mm ²			6 Nm
16 mm ²			4 Nm
10 mm ²			
6 mm ²			
4 mm ²			
2.5 mm ²			
1.5 mm ²			
Stripping lengths	22 mm		
screw	M6 (+/- PZ2)		

 Stranded
  Solid
  Flexible with ferrule

Input (x2) / Output (x2)	Copper		Aluminium
2x25 mm ² (Rundleiter)			
35 mm ²	3,5 Nm	3,5 Nm	
25 mm ²			6 Nm
16 mm ²			4 Nm
10 mm ²			
6 mm ²			
4 mm ²			
2.5 mm ²			
1.5 mm ²			
Stripping lengths	18 mm		
screw	M6 (+/- PZ2)		

UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693	
Voltage size B,C (UR) - CU	600 V	
	Current size B,C (UR) - CU / Tightening torque	
	Line	Load
AWG 2	115 A / 31 Lb In.	85 A / 22.1 Lb In.
AWG 4		
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

Voltage size B,C (UR) - AL	600 V	
	Current size B,C (UR) - AL / Tightening torque	
	Line	Load
AWG 2	65 A / 70.8 Lb In.	65 A / 53 Lb In.
AWG 4	50 A / 70.8 Lb In.	50 A / 35 Lb In.
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

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 2	125 A / 3,5 Nm	85 A / 2,5 Nm
AWG 4		
AWG 6		
AWG 8		
AWG 10		
AWG 12		
AWG 14		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 2	90 A / 8 Nm	
AWG 4	65 A / 6 Nm	90 A / 8 Nm
AWG 6	50 A / 4 Nm	65 A / 6 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		

