Data sheet

WPD 103 2X70/2X50 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, 70 mm², 300 A, 1000 V, Number of connections: 4, Number of levels: 1
Order No.	1561770000
Type	WPD 103 2X70/2X50 GY
GTIN (EAN)	4050118366693
Qty.	3 items

Data sheet

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Technical data

Approvals

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

Dimensions and weights

Depth	53.3 mm	Depth (inches)	2.0984 inch
Height	63 mm	Height (inches)	2.4803 inch
Width	32.8 mm	Width (inches)	1.2913 inch
Net weight	171 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	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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

With snap-in pegs	Yes	Open sides	closed
Snap-on	Yes	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

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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
Number of connections	4	Clamping range, max.	70 mm²
Clamping range, min.	4 mm²	Wire connection cross section AWG, min.	AWG 14
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm²	Wire connection cross section, finely stranded, max.	0 mm²
Wire connection cross section, finely stranded, min.	4 mm²	Connection cross-section, stranded, max.	70 mm²
Connection cross-section, stranded, min.	4 mm²	Wire connection cross-section, solid core, max.	70 mm²
Wire connection cross-section, solid core, min.	4 mm²		

General

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

Rating data

Rated cross-section	70 mm²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1000 V
Nominal current	300 A	Current at maximum wires	300 A
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2	Power loss in accordance with IEC 60947-7-x	2.10 W

UL rating data

Certificate No. (cURus)	E60693

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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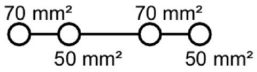
Drawings



CSA Rating data according to CSA 22.2 No. 158

Certificate no. (cURus)	XCFR2.E60693					
	Line			Load		
Input (line)	Copper		Aluminum	Copper		Aluminum
AWG 4	10 Nm		18 Nm	6 Nm		
AWG 6		10 Nm	10 Nm		6 Nm	10 Nm
AWG 8			8 Nm			8 Nm
AWG 10			6 Nm			6 Nm
AWG 12						4 Nm
AWG 14						
AWG 16						
max. current	160 A	150 A	135 A	150 A	115 A	120 A
Voltage size B,C (UR)	600 V					

Stranded Solid Flexible with ferrule

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

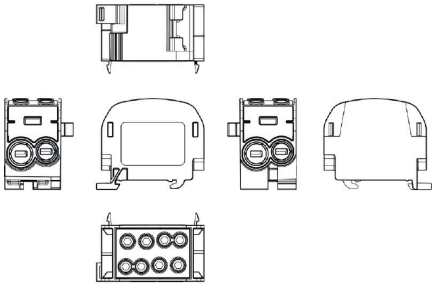
Certificate no. (UR)	XCFR2.E60693					
	Line			Load		
Input (line)	Copper		Aluminum	Copper		Aluminum
AWG 4	88.5 Lb In		159 Lb In	53.1 Lb In		
AWG 6		88.5 Lb In	88.5 Lb In		53.1 Lb In	89.5 Lb In
AWG 8			70.8 Lb In			70.8 Lb In
AWG 10			53 Lb In			53 Lb In
AWG 12						35 Lb In
AWG 14						
AWG 16						
max. current	160 A	150 A	135 A	150 A	115 A	120 A
Voltage size B,C (UR)	600 V					

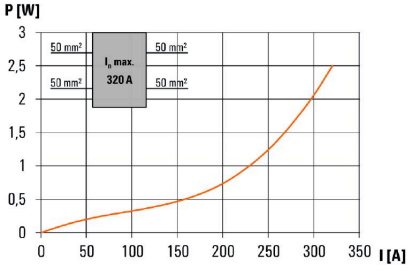
Stranded Solid Flexible with ferrule

CSA Rating data according to CSA 22.2 No. 158

Certificate no. (cURus)	XCFR2.E60693					
	Line			Load		
Input (line)	Copper		Aluminum	Copper		Aluminum
AWG 4	10 Nm		18 Nm	6 Nm		
AWG 6		10 Nm	10 Nm		6 Nm	10 Nm
AWG 8			8 Nm			8 Nm
AWG 10			6 Nm			6 Nm
AWG 12						4 Nm
AWG 14						
AWG 16						
max. current	160 A	150 A	135 A	150 A	115 A	120 A
Voltage size B,C (UR)	600 V					

Stranded Solid Flexible with ferrule





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Accessories

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 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 11/60 MC NE WS	Version
Order No.	1860120000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 60 x 11 mm,
GTIN (EAN)	4032248416554	white
Qty.	60 ST	

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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

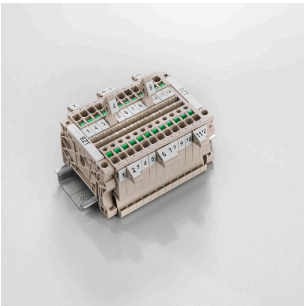
For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	SFX 30/60 MC NE WS	Version
Order No.	1083230000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 60 x 30 mm,
GTIN (EAN)	4032248846948	white
Qty.	30 ST	

Type	SFX 10/60 S MC NE WS	Version
Order No.	1248810000	SlimFix X, Conductor and cable markers, 7 - 40 mm, 60 x 13.62 mm,
GTIN (EAN)	4050118039115	white
Qty.	50 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 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 ST	

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