

FP BOX 10P 4XVG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The FieldPower® power distributors support error-free installation in an extremely short space of time. Branches and functions integrated in the cover can simply be plugged in. Robust with high protection degree.

General ordering data

Version	FieldPower® power distribution box, AC, IP65, in complete state, glass-fibre reinforced polycarbonate, PUSH IN, Insulation displacement connection (IDC), Distribution
Order No.	1002900000
Type	FP BOX 10P 4XVG
GTIN (EAN)	4032248697038
Qty.	1 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	67 mm	Depth (inches)	2.6378 inch
Height	181 mm	Height (inches)	7.126 inch
Width	223 mm	Width (inches)	8.7795 inch
Net weight	1500 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...55 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	5f19cd84-8946-4797-9386-3ac323b95c10

Cable gland

Number of cable glands	4	Cable gland clamping area, min.	6 mm
Cable gland material	Polyamide 6	Cable gland clamping area, max.	12 mm

Clamping capacity

Connection data - contact element Branch / Feed-in	Wire connection method		PUSH IN
	Blade size of operating tool		0.6 x 3.5 mm
	Stripping length		14.00 mm
	Number of poles		5
	Conductor connection cross-section, solid, max.		6 mm ²
	Conductor connection cross-section, solid, min.		0.50 mm ²
	Conductor connection cross-section, stranded, max.		6.00 mm ²
	Conductor connection cross-section, stranded, min.		0.50 mm ²
	Conductor connection cross-section, finely stranded, max.		10.00 mm ²
	Conductor connection cross-section, finely stranded, min.		0.50 mm ²
	Conductor connection cross-section, finest stranded, max.		6.00 mm ²
	Conductor connection cross-section, finest stranded, min.		0.50 mm ²
	Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.50 mm ²
		Cross-section, max.	6.00 mm ²
		Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.50 mm ²
		Cross-section, max.	6.00 mm ²
		Type of wire end ferrule	8 mm with plastic collar

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Connection data - contact element power bus		Standard	DIN 46228/4
		Cross-section, min.	0.50 mm ²
		Cross-section, max.	6.00 mm ²
		Type of wire end ferrule	8 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.50 mm ²
		Cross-section, max.	6.00 mm ²
		Type of wire end ferrule	Twin wire-end ferrules
		Cross-section, min.	0.50 mm ²
		Cross-section, max.	6.00 mm ²
	Wire connection method	Insulation displacement connection (IDC)	
	Blade size of operating tool	0.6 x 3.5 mm	
	Number of poles	5	
	Conductor connection cross-section, solid, max.	6 mm ²	
	Conductor connection cross-section, solid, min.	1.50 mm ²	
	Conductor connection cross-section, stranded, max.	6.00 mm ²	
	Conductor connection cross-section, stranded, min.	2.50 mm ²	
	Conductor connection cross-section, finely stranded, max.	6.00 mm ²	
	Conductor connection cross-section, finely stranded, min.	2.50 mm ²	

General data

Basic material	Polycarbonate, glass fibre reinforced	Insulating material	Polycarbonate
Enclosure material	glass-fibre reinforced polycarbonate	Silicone	No
Colour	black	Protection degree	IP65, in complete state
UL 94 flammability rating	5VA	Torque for lid screws	2 Nm
Lid attachment	TX20 screws	Type of mounting	Screw mounting, Fixing lugs
Installation advice	Lid screws included	Function	Distribution
With cable gland	Yes	Can be coded	Yes, Coded on PE
Voltage type	AC	Number of poles	2 x 5
Number of connections / pole	1	Wire connection method	PUSH IN, Insulation displacement connection (IDC)

Rated data acc. to IEC

Rated data acc. to IEC for plug-in connector	Voltage type	AC
	Number of phases	3
	Standard	IEC 60947-7-1, IEC 60947-7-2, IEC 61984
	Rated voltage	690 V
	Rated impulse withstand voltage	8.00 kV
	Rated current (3 loaded poles)	32 A
	Rated current (4 loaded poles)	25 A
Rated data acc. to IEC for contact element	Voltage type	AC, DC
	Standard	IEC 60947-7-1, IEC 60947-7-2
	Rated voltage	800 V
	Rated impulse withstand voltage	8.00 kV
	Rated current (3 loaded poles)	41 A
	Rated current (4 loaded poles)	25 A

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Technical data

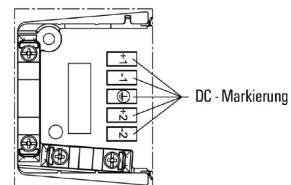
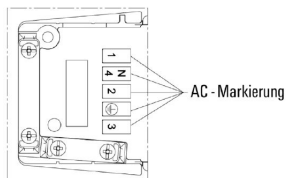
Rated data acc. to UL

Standards		not UL approved
Rated data acc. to UL for contact element	Standard	UL 1059
	Note	for use with UL-listed TC-ER cables
	Conductor connection cross-section, AWG, max.	AWG 10
	Conductor connection cross-section, AWG, min.	AWG 14
	Rated voltage	600 V
	Rated current	30 A
Rated data acc. to UL for plug-in connector	Standard	UL 1059
	Note	for use with UL-listed TC-ER cables
	Conductor connection cross-section, AWG, max.	AWG 12
	Conductor connection cross-section, AWG, min.	AWG 16
	Rated voltage	600 V
	Rated current	20 A

Classifications

ETIM 6.0	EC000214	ETIM 7.0	EC000214
ETIM 8.0	EC000214	ETIM 9.0	EC000214
ETIM 10.0	EC000214	ECLASS 9.0	27-14-24-09
ECLASS 9.1	27-14-24-09	ECLASS 10.0	27-14-24-09
ECLASS 11.0	27-14-24-09	ECLASS 12.0	27-14-24-09
ECLASS 13.0	27-14-24-09	ECLASS 14.0	27-14-24-09
ECLASS 15.0	27-14-24-09		

Drawings



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Accessories

Tools



Sheathing stripper for PVC cables

General ordering data

Type	AM 16	Version
Order No.	9204190000	Tools, Sheathing strippers
GTIN (EAN)	4032248608133	
Qty.	1 ST	
Type	AM 25	Version
Order No.	9001540000	Tools, Sheathing strippers
GTIN (EAN)	4008190138271	
Qty.	1 ST	

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	2749340000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118895568	
Qty.	1 ST	

DMS PRO



Weidmüller torque screwdrivers have an ergonomic design and are therefore ideal for use with one hand. They can be used without causing fatigue in all installation positions. Apart from that, they incorporate an automatic torque limiter and have a good reproducibility accuracy.

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Type	DMS PRO	Version
Order No.	1479120000	Mounting tool
GTIN (EAN)	4050118287011	
Qty.	1 ST	

Bits E6,3 - Torx®

The Weidmüller bits are standard bits which are highly popular with users thanks to their good quality, large range and efficiency. The computer-controlled hardening method enables Weidmüller to guarantee a consistently high standard of quality.

The high-quality raw materials used make it possible to reach torques far higher than any of those specified in the relevant DIN standards:

- DIN 5261 for PH/PZ bits,
- DIN 5263 for slotted bits,
- Camcar standard for TORX bits

That means a long life at high torques and hence ideal conditions for standard situations.

The benefits:

- Suitable for all types of screws. Because of their excellent hardness values of 59-61 HRC, they are suitable for use with both manual and power tools.
- Good wearing resistance and thus a long life expectancy.
- Optimum fit in all DIN screws means low wear and optimum torque transmission.
- Manufactured to meet professional quality criteria according to relevant ISO standards with a consistently high standard of quality.

General ordering data

Type	BIT E6,3 T20 X 70	Version
Order No.	2749010000	Screwdriver insert
GTIN (EAN)	4050118895308	
Qty.	5 ST	