

FP BOX DC**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, DC, IP65, in complete state, glass-fibre reinforced polycarbonate, PUSH IN, Insulation displacement connection (IDC)
Order No.	1440920000
Type	FP BOX DC
GTIN (EAN)	4050118247084
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	67 mm	Depth (inches)	2.638 inch
Height	181 mm	Height (inches)	7.126 inch
Width	104 mm	Width (inches)	4.094 inch
Net weight	542.9 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...55 °C
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Clamping capacity

Connection data - contact element power bus	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.	1.5 mm ²
	Conductor connection cross-section, stranded, max.	6 mm ²
	Conductor connection cross-section, stranded, min.	2.5 mm ²
	Conductor connection cross-section, finely stranded, max.	6 mm ²
	Conductor connection cross-section, finely stranded, min.	2.5 mm ²
	Conductor connection cross-section, finest stranded, max.	6 mm ²
	Conductor connection cross-section, finest stranded, min.	2.5 mm ²

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Technical data

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 mm	
Number of poles	5	
Conductor connection cross-section, solid, max.	6 mm ²	
Conductor connection cross-section, solid, min.	0.5 mm ²	
Conductor connection cross-section, stranded, max.	6 mm ²	
Conductor connection cross-section, stranded, min.	0.5 mm ²	
Conductor connection cross-section, finely stranded, max.	10 mm ²	
Conductor connection cross-section, finely stranded, min.	0.5 mm ²	
Conductor connection cross-section, finest stranded, max.	6 mm ²	
Conductor connection cross-section, finest stranded, min.	0.5 mm ²	
Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
	Standard	DIN 46228/1
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	6 mm ²
	Type of wire end ferrule	12 mm with plastic collar
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	6 mm ²
	Type of wire end ferrule	8 mm with plastic collar
	Standard	DIN 46228/1
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	6 mm ²
	Type of wire end ferrule	8 mm with plastic collar
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	6 mm ²
	Type of wire end ferrule	Twin wire-end ferrules
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	6 mm ²

General data

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
Can be coded	Yes, Coded on PE	Voltage type	DC
Number of poles	5	Number of connections / pole	1
Wire connection method	PUSH IN, Insulation displacement connection (IDC)		

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Technical data

Rated data acc. to IEC

Rated data acc. to IEC for contact element	Voltage type	DC
	Standard	IEC 60947-7-1, IEC 60947-7-2
	Rated voltage	800 V
	Rated impulse withstand voltage	8 kV
	Rated current (3 loaded poles)	41 A
	Rated current (4 loaded poles)	25 A

Rated data acc. to UL

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
Standards	not UL approved	

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		

Environmental Product Compliance

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

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Manufacturer's Declaration FieldPower® BOX, BOX FUSE and Terminal variants
Engineering Data	CAD data – STEP
Product Change Notification	Product Change Notification FieldPower® box base Produktänderungsmitteilung FieldPower® Box Unterschale Produktänderungsmitteilung FieldPower® Box Schrauben Product Change Notification FieldPower® box screws Technical change to FieldPower® (GHDE)
User Documentation	Manual FieldPower® Box
Catalogues	Catalogues in PDF-format

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Drawings

Drilling template

