

FP BOX FUSE**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, 3-phase AC, IP65, in complete state, glass-fibre reinforced polycarbonate, PUSH IN, Insulation displacement connection (IDC), Fuse
Order No.	1961780000
Type	FP BOX FUSE
GTIN (EAN)	4032248641772
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	86 mm	Depth (inches)	3.386 inch
Height	181 mm	Height (inches)	7.126 inch
Width	104 mm	Width (inches)	4.094 inch
Net weight	700 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

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Technical data

Connection data - plug-in connector	Wire connection method		PUSH IN
	Blade size of operating tool		3.0 x 0.5 mm
	Stripping length		12 mm
	Number of poles		5
	Conductor connection cross-section, solid, max.		4 mm ²
	Conductor connection cross-section, solid, min.		0.5 mm ²
	Conductor connection cross-section, stranded, max.		4 mm ²
	Conductor connection cross-section, stranded, min.		0.5 mm ²
	Conductor connection cross-section, finely stranded, max.		4 mm ²
	Conductor connection cross-section, finely stranded, min.		0.5 mm ²
	Conductor connection cross-section, finest stranded, max.		4 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.	4 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.	4 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.	4 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.	4 mm ²
		Type of wire end ferrule	Twin wire-end ferrules
		Cross-section, min.	0.5 mm ²
		Cross-section, max.	4 mm ²

General data

Insulating material		Enclosure material	
Polycarbonate		glass-fibre reinforced polycarbonate	
Silicone		Colour	
No		black	
Protection degree		UL 94 flammability rating	
IP65, in complete state		5VA	
Torque for lid screws		Lid attachment	
2 Nm		TX20 screws	
Type of mounting		Installation advice	
Screw mounting, Fixing lugs		Lid screws included	
Function		Can be coded	
Fuse		Yes, Coded on PE	
Voltage type		Number of poles	
3-phase AC		5	
Number of connections / pole		Wire connection method	
1		PUSH IN, Insulation displacement connection (IDC)	
Cartridge fuse		Conductor outlet direction	
6.3 x 32 mm (1/4 x 1 1/4")		90°	
Failure indicator		Fuse holder (cartridge holder)	
Red LED		Pivoting	

Creation date May 16, 2025 2:33:48 AM CEST

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Technical data

Rated data acc. to IEC

Rated data acc. to IEC for contact element	Voltage type	AC
	Number of phases	3
	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 data acc. to IEC for fuse plug	Rated current (4 loaded poles)	25 A
	Voltage type	AC
	Number of phases	3
	Standard	IEC 61984, IEC 60947-7-3
	Rated voltage	500 V
	Rated impulse withstand voltage	6 kV
	Rated current	12 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
Rated data acc. to UL for fuse plug		
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

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319261/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UL)	E310075

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Technical data

Downloads

Approval/Certificate/Document of Conformity	UL Certificate FieldPower® Box Fuse 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 Datasheet FieldPower® Box Fuse
Catalogues	Catalogues in PDF-format

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Drawings

Drilling template

