

FP BOX**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, Insulation displacement connection (IDC), PUSH IN
Order No.	1957580000
Type	FP BOX
GTIN (EAN)	4032248636655
Qty.	1 pc(s).

Creation date November 26, 2024 12:23:49 PM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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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	542.93 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

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

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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 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	UL 2237	


Classifications

ETIM 6.0	EC000214	ETIM 7.0	EC000214
ETIM 8.0	EC000214	ETIM 9.0	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		

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	
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 and accessories 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

