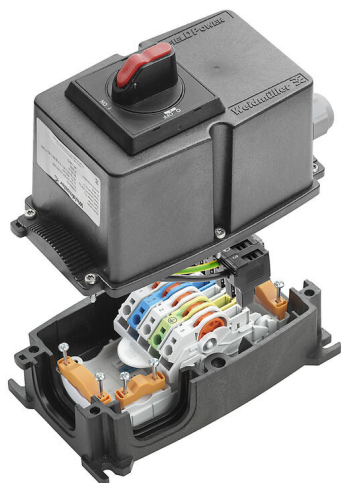


FP BOX ON/OFF VG M20 3AN**Weidmüller Interface GmbH & Co. KG**

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), Maintenance switch
Order No.	8000056232
Type	FP BOX ON/OFF VG M20 3AN
GTIN (EAN)	4064675385950
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E318973

Dimensions and weights

Depth	165 mm	Depth (inches)	6.4961 inch
Height	181 mm	Height (inches)	7.126 inch
Width	104 mm	Width (inches)	4.0945 inch
Net weight	2259.79 g		

Temperatures

Storage temperature	-30 °C...55 °C	Operating temperature	-30 °C...45 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
SCIP	7645f3b1-6db9-495d-9e21-ab1d894aff05

Cable gland

Number of cable glands	1	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
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.	1.50 mm ²

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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

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
lockable	Yes	Type of mounting	Screw mounting, Fixing lugs
Installation advice	Lid screws included	Function	Maintenance switch
With cable gland	Yes	Can be coded	Yes, Coded on PE
Voltage type	3-phase AC	Number of poles	5
Number of connections / pole	1	Wire connection method	PUSH IN, Insulation displacement connection (IDC)
Type of connection, signal	M12, A-coded		

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
	Number of phases	3
	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

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
	Standard	UL 1059
Rated data acc. to UL for plug-in connector	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

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Technical data

Rated current

20 A

Technical data Switch

Terminals - torque	0.8 Nm	Wire connection cross section AWG, max.	AWG 8
Switch type	ABB OT16FT3	Operating voltage	690 V
Wire connection cross section AWG, min.	AWG 18	Pollution severity	3
Power rating AC-23A	7.5 kW	Rated current AC-23A	16 A
auxiliary contact	ABB OA1G10	Switch according to standard	IEC 60947-3
Clamping range, plug, min.	0.75 mm ²	Clamping range, plug, max.	10 mm ²
Rated short-term current resistance ICW 500 A rms for 1 Second			

Classifications

ETIM 8.0	EC000214	ETIM 9.0	EC000214
ETIM 10.0	EC000214	ECLASS 14.0	27-14-24-09
ECLASS 15.0	27-14-24-09		

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Drawings

