

FP BOX DC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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. For cable seals consult accessories

General ordering data

Type	FP BOX DC
Order No.	1440920000
Version	FieldPower® Box, IP65, Polycarbonate, DC Box
GTIN (EAN)	4050118247084
Qty.	1 pc(s).

Creation date May 4, 2020 7:21:07 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

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

Temperatures

Operating temperature, max.	55 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...55 °C	Storage temperature	-40 °C...85 °C
Temperature range, installation, min.	10 °C	Temperature range, installation, max.	40 °C

Environmental Product Compliance

REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
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Clamping capacity, PUSH IN connection, distribution

Blade size	0.6 x 3.5 mm	Conductor cross-section, flexible AEH 12 mm plus plastic collar DIN 46228/4, rated connection, max.	6 mm ²
Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm ²	Cross-section for connected wire, PUSH IN connection, solid, max.	6 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	6 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible, PUSH IN connection, max.	10 mm ²
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm ²	Finely-stranded flexible, max. PUSH IN connection	6 mm ²
Finely-stranded flexible, min. PUSH IN connection	0.5 mm ²	Stripping length, PUSH IN connection	14 mm
Wire connection cross section, stranded, PUSH IN connection, max.	6 mm ²	Wire connection cross section, stranded, PUSH IN connection, min.	0.5 mm ²

IDC connection clamping capacity, power cable

Blade size	0.6 x 3.5 mm	Connection cross-section, finely stranded, max.	6 mm ²
Connection cross-section, finely stranded, min.	2.5 mm ²	Connection cross-section, stranded, max.	6 mm ²
Connection cross-section, stranded, min.	2.5 mm ²	Wire connection cross section, finely stranded, max.	6 mm ²
Wire connection cross-section, finely stranded, min.	2.5 mm ²	Wire cross-section, solid, max.	6 mm ²
Wire cross-section, solid, min.	1.5 mm ²		

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Technical data

General information #96 connectors

Can be coded	Yes, Coded on PE	UL 94 flammability rating	5VA
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General data

Can be coded	Yes, Coded on PE	Material colour	black
Protection degree	IP65	Silicone-free	Yes
Insulating material	Polycarbonate	Halogen	No
UL 94 flammability rating	5VA		

Dimensions of box

Height	67 mm	Length	181 mm
Width	104 mm		

Rated data acc. to IEC

Rated cross-section	6 mm ²	Rated current	25 A
Rated impulse withstand voltage	8 kV	Rated voltage	36

Classifications

ETIM 6.0	EC000214	ETIM 7.0	EC000214
eClass 9.0	27-14-24-09	eClass 9.1	27-14-24-09
eClass 10.0	27-14-24-09		

Approvals

Approvals



ROHS Conform

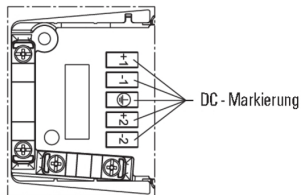
Downloads

Approval/Certificate/Document of Conformity	Herstellererklärung_DE FieldPower
Engineering Data	STEP
Product Change Notification	EN - Technical change to FieldPower® Power distribution box DE - Technical change to FieldPower® Power distribution box

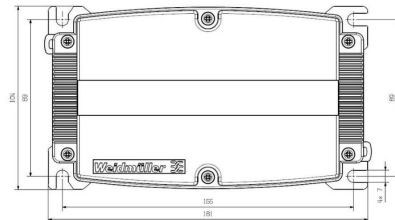
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Drawings



Drilling template



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Accessories

Plastic cable glands, IP 68

Screwed joints that comply with the high demands of class of protection IP 68



General ordering data

Type	VG M20-1/K68	Version
Order No.	1772300000	VG K (standard plastic cable gland), Cable glands, M 20, 10 mm, OD
GTIN (EAN)	4032248129966	min. 6 - OD max. 12 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.),
Qty.	50 pc(s).	Polyamide 6

Plug-in connector

Extensive range of accessories for the FieldPower® boxes.
 Cable seals, plug-in connectors, locking elements and much more.



General ordering data

Type	PTS 4 DC	Version
Order No.	1131730000	FieldPower®, Plug-in connector, PUSH IN, 0.5 mm ² - 4 mm ² , Number of poles: 5
GTIN (EAN)	4032248912117	
Qty.	10 pc(s).	
Type	PTDS 4 DC	Version
Order No.	1009990000	FieldPower®, Plug-in connector, PUSH IN, 0.5 mm ² - 4 mm ² , Number of poles: 5
GTIN (EAN)	4032248715244	
Qty.	10 pc(s).	

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Accessories

Adapters



HQ adapter for FieldPower® Control

- Tool-free installation like a FieldPower cable seal
- Suitable for the HQ 4/2, HQ 8 and HQ 17 plug-in connector inserts
- Optionally with lockable protective cover (protection against being switched on again, in accordance with EN 60204-1)

General ordering data

Type	BG ARGH HQP ALU PT6 CS	Version
Order No.	1532210000	FieldPower®, Adapter, Lockable housing
GTIN (EAN)	4050118337600	
Qty.	1 pc(s).	
Type	BG ARGH HQP ALU PT6	Version
Order No.	1532200000	FieldPower®, Adapter
GTIN (EAN)	4050118337433	
Qty.	1 pc(s).	

Plastic nuts, standard



Weidmüller has a variety of different cable and wire entry systems in the Portfolio: with different designs of plastic, brass and stainless steel cable glands in the IP66, 67, 68 or IP69k protection classes. As a complete alternative to cable glands, pre-assembled cables with modular multi-wire or multi-cable entry systems can be simply and quickly inserted into electrical equipment. Last but not least, Weidmüller offers EX-certified cable glands and cable/wire entry systems.

- Cable glands made from plastic and brass
- EMC screwed joints
- for areas at risk of explosion
- VDE, CSA and UL approvals

General ordering data

Type	SKMU M20 - K GR	Version
Order No.	1772460000	SKMU PA (plastic locknut), Locknut, M 20, 6 mm, Polyamid 6 (PA6 - GF30)
GTIN (EAN)	4032248130207	
Qty.	100 pc(s).	

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Accessories

Seals



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General ordering data

Type	RKDGE D2X6,5 PT6	Version
Order No.	244380000	FieldPower®, Sealing insert, IP54
GTIN (EAN)	4050118457704	
Qty.	10 pc(s).	
Type	RKDG D13 PT6	Version
Order No.	432323000	FieldPower®, Sealing insert, round, IP65, 11 mm - 13 mm
GTIN (EAN)	4032248641239	
Qty.	10 pc(s).	
Type	RKDG D17 PT6	Version
Order No.	432401000	FieldPower®, Sealing insert, round, IP65, 15 mm - 17 mm
GTIN (EAN)	4032248641284	
Qty.	10 pc(s).	
Type	RKDG D9 PT6	Version
Order No.	432961000	FieldPower®, Sealing insert, round, IP65, 7 mm - 9 mm
GTIN (EAN)	4032248668687	
Qty.	10 pc(s).	
Type	RKDG D18 WG PT6	Version
Order No.	249187000	FieldPower®, Sealing insert, round, IP54, 18.5 - 20.5 mm
GTIN (EAN)	4050118501537	
Qty.	10 pc(s).	
Type	DG M20 PT6	Version
Order No.	254555000	FieldPower®, Sealing insert, IP65
GTIN (EAN)	4050118555530	
Qty.	1 pc(s).	
Type	RKDG D11 PT6	Version
Order No.	432321000	FieldPower®, Sealing insert, round, IP65, 9 mm - 11 mm
GTIN (EAN)	4032248641215	
Qty.	10 pc(s).	
Type	DG M16 PT6	Version
Order No.	254554000	FieldPower®, Sealing insert, IP65
GTIN (EAN)	4050118555523	
Qty.	1 pc(s).	
Type	RKDG D15 PT6	Version
Order No.	432322000	FieldPower®, Sealing insert, round, IP65, 13 mm - 15 mm
GTIN (EAN)	4032248641222	
Qty.	10 pc(s).	
Type	RKDG 2XD8.5 WG PT6	Version
Order No.	111453000	FieldPower®, Sealing insert, round, IP54, 8.5 - 10.5 mm
GTIN (EAN)	4032248892624	
Qty.	10 pc(s).	

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Data sheet**FP BOX DC**

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Accessories

Type	RKDGE D4X4 PT6	Version
Order No.	2443760000	FieldPower®, Sealing insert, IP54
GTIN (EAN)	4050118457643	
Qty.	10 pc(s).	

Type	DG D0 PT6	Version
Order No.	4323240000	FieldPower®, Sealing insert, IP65
GTIN (EAN)	4032248641246	
Qty.	10 pc(s).	
