

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Insulation displacement connection (IDC), PUSH IN, Fuse
Order No.	<a href="#">8000007924</a>
Type	FP BOX FUSE DC
GTIN (EAN)	4050118195439
Qty.	1 pc(s).

Creation date May 23, 2024 8:07:00 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Dimensions and weights**

Depth	86 mm	Depth (inches)	3.386 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 <sup>2</sup>
	Conductor connection cross-section, solid, min.	1.5 mm <sup>2</sup>
	Conductor connection cross-section, stranded, max.	6 mm <sup>2</sup>
	Conductor connection cross-section, stranded, min.	2.5 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, max.	6 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, min.	2.5 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, max.	6 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, min.	2.5 mm <sup>2</sup>

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

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

## 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	
DC		5	
Number of connections / pole		Wire connection method	
1		Insulation displacement connection (IDC), PUSH IN	
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	

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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 IEC for fuse plug	Voltage type	DC
	Standard	IEC 61984, IEC 60947-7-3
	Rated voltage	36 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
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

## Environmental Product Compliance

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	<a href="#">UL Certificate FieldPower® Box Fuse</a> <a href="#">Manufacturer's Declaration FieldPower® BOX, BOX FUSE and Terminal variants</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Product Change Notification FieldPower® box base</a> <a href="#">Produktänderungsmitteilung FieldPower® Box Unterschale</a> <a href="#">Technical change to FieldPower® (GHDE)</a>
User Documentation	<a href="#">Manual FieldPower® Box</a> <a href="#">Datasheet FieldPower® Box Fuse</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

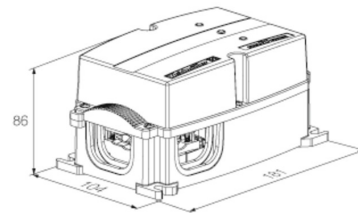
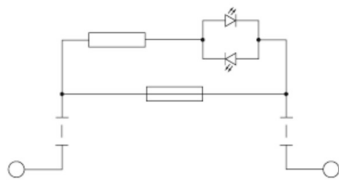
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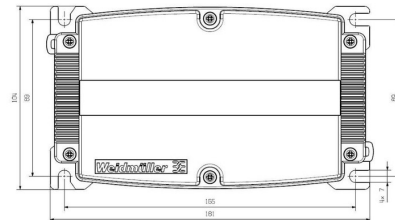
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## Drawings

### Drilling template



### Drilling template



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## Accessories

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

Type	SDS 0.5X3.0X80	Version
Order No.	<a href="#">2749330000</a>	Screwdriver, Blade width (B): 3 mm, Blade length: 80 mm, Blade thickness (A): 0.5 mm
GTIN (EAN)	4050118895551	
Qty.	1 pc(s).	
Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">2749340000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118895568	
Qty.	1 pc(s).	

## 6.3x32



For protection against overcurrent, we offer cartridge fuse with dimensions 6.3x32 mm in sizes from 500 mA to 12.5 A.

## General ordering data

Type	GZ 7.0A/F	Version
Order No.	<a href="#">1460630000</a>	Miniature fuse, quick-acting, 7 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266726	
Qty.	10 pc(s).	
Type	GZ 5.0A/F	Version
Order No.	<a href="#">1460620000</a>	Miniature fuse, quick-acting, 5 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266610	
Qty.	10 pc(s).	
Type	GZ 0.5A/F	Version
Order No.	<a href="#">1460580000</a>	Miniature fuse, quick-acting, 0.5 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266603	
Qty.	10 pc(s).	
Type	GZ 10.0A/F	Version
Order No.	<a href="#">1460640000</a>	Miniature fuse, quick-acting, 10 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266801	
Qty.	10 pc(s).	



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## Accessories

Type	GZ 1.0A/F	Version
Order No.	<a href="#">1460590000</a>	Miniature fuse, quick-acting, 1 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266634	
Qty.	10 pc(s).	
Type	GZ 12.5A/F	Version
Order No.	<a href="#">1460650000</a>	Miniature fuse, quick-acting, 12.5 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266627	
Qty.	10 pc(s).	
Type	GZ 2.0A/F	Version
Order No.	<a href="#">1460600000</a>	Miniature fuse, quick-acting, 2 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266719	
Qty.	10 pc(s).	
Type	GZ 3.0A/F	Version
Order No.	<a href="#">1460610000</a>	Miniature fuse, quick-acting, 3 A, G-Si. 6.3 x 32
GTIN (EAN)	4050118266702	
Qty.	10 pc(s).	

## Plastic lock nuts, grey



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

## General ordering data

Type	SKMU M20 - K GR	Version
Order No.	<a href="#">1772460000</a>	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

## Bits E6,3 - Torx®



The Weidmüller bits are standard bits which are highly popular with users thanks to their good quality, large range and efficiency. The computer-controlled hardening method enables Weidmüller to guarantee a consistently high standard of quality.

The high-quality raw materials used make it possible to reach torques far higher than any of those specified in the relevant DIN standards:

- DIN 5261 for PH/PZ bits,
- DIN 5263 for slotted bits,
- Camcar standard for TORX bits

That means a long life at high torques and hence ideal conditions for standard situations.

**The benefits:**

- Suitable for all types of screws. Because of their excellent hardness values of 59-61 HRC, they are suitable for use with both manual and power tools.
- Good wearing resistance and thus a long life expectancy.
- Optimum fit in all DIN screws means low wear and optimum torque transmission.
- Manufactured to meet professional quality criteria according to relevant ISO standards with a consistently high standard of quality.

**General ordering data**

Type	BIT E6,3 T20 X 70	Version
Order No.	<a href="#">2749010000</a>	Screwdriver insert
GTIN (EAN)	4050118895308	
Qty.	5 pc(s).	

## Adapters

**HQ adapter for FieldPower®**

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	Version
Order No.	<a href="#">1532200000</a>	Adapter, Field Power® sealing insert, HQ adapter, IP65, with
GTIN (EAN)	4050118337433	corresponding enclosure, Polycarbonate, glass fibre reinforced,
Qty.	1 pc(s).	lockable: No

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## Accessories

Type	BG ARGH HQP ALU PT6 CS	Version
Order No.	<a href="#">1532210000</a>	Adapter, Field Power® sealing insert, HQ adapter, IP65, with
GTIN (EAN)	4050118337600	corresponding enclosure, Polycarbonate, glass fibre reinforced,
Qty.	1 pc(s).	lockable: Yes

## Seals


**Intelligent cabling solutions can save you valuable time and money.**

The FieldPower® modular system contains the right solution for every cabling task.

Foldable seals for the use of pre-assembled cables

Seals available with M16 and M20 connection thread  
Integration of operating and signalling devices into the seal possible

## General ordering data

Type	DG M20 PT6	Version
Order No.	<a href="#">2545550000</a>	Field Power® sealing insert, Seal with connection thread, IP65, with
GTIN (EAN)	4050118555530	corresponding enclosure, EPDM
Qty.	1 pc(s).	
Type	RKDG D13 PT6	Version
Order No.	<a href="#">4323230000</a>	Field Power® sealing insert, Foldable seal, IP65 with corresponding
GTIN (EAN)	4032248641239	housing, IP65, with corresponding enclosure, EPDM
Qty.	10 pc(s).	
Type	RKDG D9 PT6	Version
Order No.	<a href="#">4329610000</a>	Field Power® sealing insert, Foldable seal, IP65 with corresponding
GTIN (EAN)	4032248668687	housing, IP65, with corresponding enclosure, EPDM
Qty.	10 pc(s).	
Type	DG D0 PT6	Version
Order No.	<a href="#">4323240000</a>	Field Power® sealing insert, Blank seal, IP65, with corresponding
GTIN (EAN)	4032248641246	enclosure, EPDM
Qty.	10 pc(s).	
Type	RKDG D17 PT6	Version
Order No.	<a href="#">4324010000</a>	Field Power® sealing insert, Foldable seal, IP65 with corresponding
GTIN (EAN)	4032248641284	housing, IP65, with corresponding enclosure, EPDM
Qty.	10 pc(s).	
Type	RKDG 2XD8.5 WG PT6	Version
Order No.	<a href="#">1114530000</a>	Field Power® sealing insert, Seal, IP54, with corresponding enclosure,
GTIN (EAN)	4032248892624	EPDM
Qty.	10 pc(s).	
Type	DG M16 PT6	Version
Order No.	<a href="#">2545540000</a>	Field Power® sealing insert, Seal with connection thread, IP65, with
GTIN (EAN)	4050118555523	corresponding enclosure, EPDM
Qty.	1 pc(s).	
Type	RKDG D15 PT6	Version
Order No.	<a href="#">4323220000</a>	Field Power® sealing insert, Foldable seal, IP65 with corresponding
GTIN (EAN)	4032248641222	housing, IP65, with corresponding enclosure, EPDM
Qty.	10 pc(s).	

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## Accessories

Type	RKDG D11 PT6	Version
Order No.	<a href="#">4323210000</a>	Field Power® sealing insert, Foldable seal, IP65 with corresponding
GTIN (EAN)	4032248641215	housing, IP65, with corresponding enclosure, EPDM
Qty.	10 pc(s).	

## DMS PRO



Weidmüller torque screwdrivers have an ergonomic design and are therefore ideal for use with one hand. They can be used without causing fatigue in all installation positions. Apart from that, they incorporate an automatic torque limiter and have a good reproducibility accuracy.

## General ordering data

Type	DMS PRO	Version
Order No.	<a href="#">1479120000</a>	Mounting tool
GTIN (EAN)	4050118287011	
Qty.	1 pc(s).	

## Tools

Sheathing stripper for PVC cables



## General ordering data

Type	AM 25	Version
Order No.	<a href="#">9001540000</a>	Tools, Sheathing strippers
GTIN (EAN)	4008190138271	
Qty.	1 pc(s).	

Type	AM 16	Version
Order No.	<a href="#">9204190000</a>	Tools, Sheathing strippers
GTIN (EAN)	4032248608133	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****IP68 version**

In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications.

The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure.

Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

**General ordering data**

Type	VG M20 - K 68	Version
Order No.	<a href="#">2811470000</a>	VG K (standard plastic cable gland), Cable glands, straight, M 20, 10
GTIN (EAN)	4064675292227	mm, OD min. 10 - OD max. 14 mm, IP54, IP66, IP67, IP68 - 5 bar (30
Qty.	50 pc(s).	min.), Polyamide 6
Type	VG M20-1/K68	Version
Order No.	<a href="#">1772300000</a>	VG K (standard plastic cable gland), Cable glands, straight, M 20, 10
GTIN (EAN)	4032248129966	mm, OD min. 6 - OD max. 12 mm, IP54, IP66, IP67, IP68 - 5 bar (30
Qty.	50 pc(s).	min.), Polyamide 6