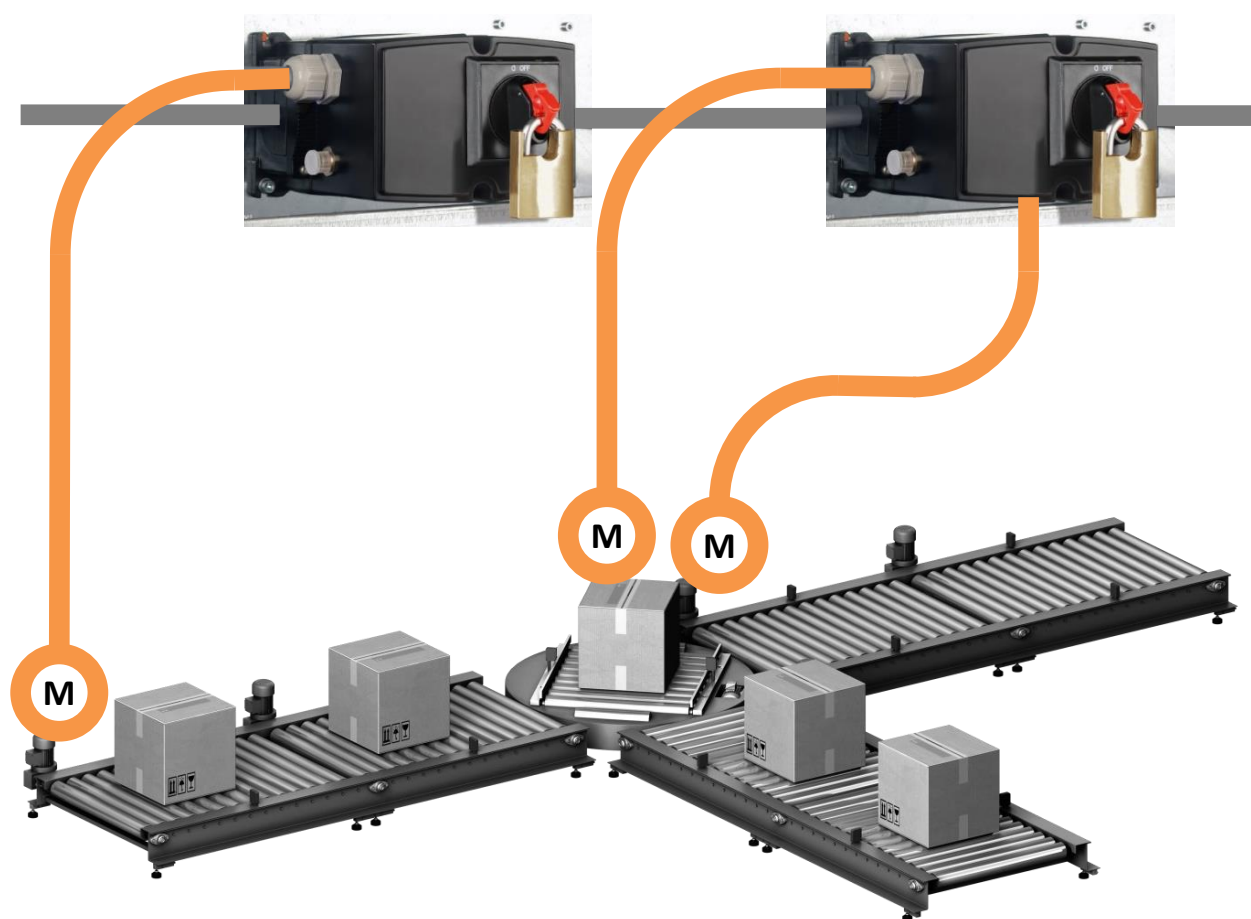


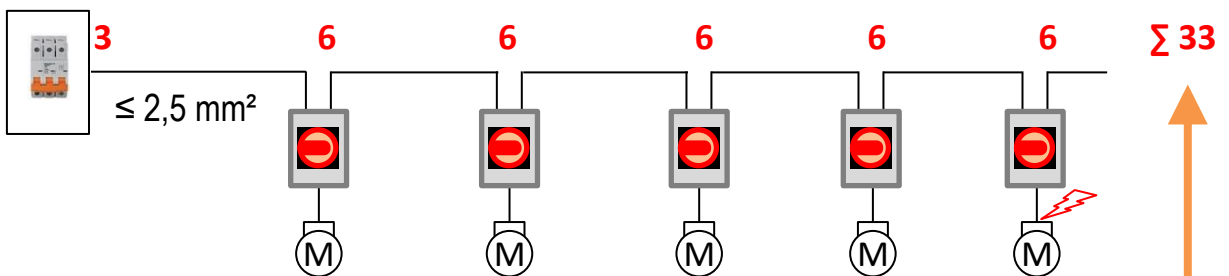
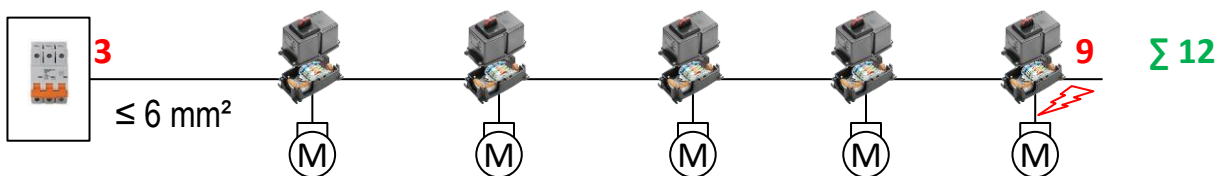
FieldPower® maintenance switch Protective device against unexpected start-up

Before starting work on active parts of electrical installations and equipment the de-energised state must be established and ensured for the duration of the work



Your benefit:

- ✓ 50% less wiring time
- ✓ System reliability with significantly fewer contact points
 - ✓ 2.4-fold longer segments with 6mm² leads



Total contact points (loop impedance)

FieldPower® maintenance switch

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

FieldPower® maintenance switch IP65

- The FieldPower® maintenance switch can be used to supply and disconnect motors and plant components up to 690 V AC / 16A. In accordance with EN 60204 (Machinery Directive), they serve to
 - Switching off
 - disconnecting and
 - prevent unexpected start-up
- In OFF position, the rotary handle can be locked with up to 3 padlocks (6 mm).
- The FieldPower® contact modules enable fast and error-free distribution of power. (L1, L2, L3, N, PE)
- The switching position is signalled with a potential-free auxiliary switch. The connection is made via an M12 plug.
- The IP65 polycarbonate enclosures are extremely robust, UV-resistant and comply with a high UL fire protection class.
- Suitable maintenance switch variants are available for different applications.
 1. FP BOX ON/OFF
→ switch-disconnector for one motor
 2. FP BOX ON/OFF VG M20
→ switch-disconnector with mounted M20 cable gland for one motor
 3. FP BOX ON/OFF W/O AUX
→ switch-disconnector without auxiliary switch for one motor
 4. FP BOX ON/OFF VG M20 3AN
→ switch-disconnector for connecting up to three motors
 5. FP BOX 10P AC DC ON/OFF
→ switch-disconnector with additional auxiliary power distribution +1, -1, FE, +2, -2 for one motor



Order details

Type	Mat.-no.	Availability
FP BOX ON/OFF	1003260000	Stock article
FP BOX ON/OFF VG M20	2819530000	Stock article
FP BOX ON/OFF W/O AUX	2921380000	Stock article
FP BOX ON/OFF VG M20 3AN	8000056232	Stock article
FP BOX 10P AC DC ON/OFF	8000055047	On request

FieldPower® maintenance switch

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Accessories

Cable entry with split seals

- Split round cable seals [Link](#) to product catalogue
outer cable diameter 7-17 mm



IP65

Seal for two cables

- Seal with 2x 8,5 mm holes for cable 8.5 - 10.5 mm
- RKDG 2XD8.5 WG PT6 1114530000



IP54

Blind seal to close unused openings

- DG D0 PT6 432324000



IP65

Lid with maintenance switch

- BG GHDE HO SA UL PT6 1113120000
(Lid of 1003260000)
- GHDE 10P HO ON/OFF PTS4 8000005211



IP65

Enclosure base modules

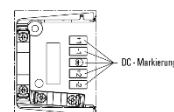
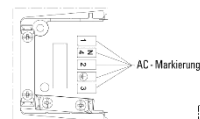
- GH PT6 1070140000
- GH 10P PT6 1121980000
- BG GH 10P 4XVG PT6 1121990000



IP65

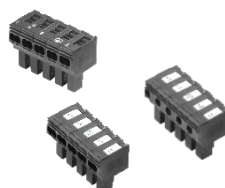
Contact elements

- PT6 1957620000
- PT6 DC 1126840000



Plug-in connector

- PTS 4 1952120000 (Included in the scope of delivery of the maintenance switches)
- PTDS4 1952130000 2 wires per pole
- PTS 4 DC 1131730000 1 wire per pole
- PTDS4 DC 1009990000 2 wires per pole



FieldPower® maintenance switch

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Temperatures

Operating temperature	-30 °C...45 °C (non condensing)	Storage temperature	-30°C...55°C
-----------------------	------------------------------------	---------------------	--------------

General data

Can be coded	Yes, Coded on PE	Cable diameter M20 cable gland	6... 12 mm
Rated voltage	3 x 380...690 VAC	Rated current (power distribution)	41 A
Silicone	No	Halogen	No
Insulation material	Polycarbonate, GF10	Material colour	black

Clamping capacity IDC connection – power bus

Blade size	0,6 x 3,5 mm
Wire cross-section, solid	1,5 ... 6 mm ²
Wire cross-section, stranded	2,5 ... 6 mm ²
Wire cross-section, finely stranded	2,5 ... 6 mm ²

Clamping capacity switch disconnector

Anzugsdrehmoment	0,8 Nm
Wire cross-section	0,75 ... 10 mm ²

Clamping capacity PUSH-IN connection – terminals (FP Box ON/OFF... 3AN)

Blade size	0,6 x 3,5 mm
Wire cross-section, solid	0,5 ... 4 mm ²
Wire cross-section, stranded	0,5 ... 4 mm ²
Wire cross-section, finely stranded	0,5 ... 4 mm ²

Technical Data switch disconnector

Rated short-term current resistance I_{CW}	500 A rms for 1s		
Rated current AC-23A	16 A	Rated power AC-23A	7,5 kW

Standards

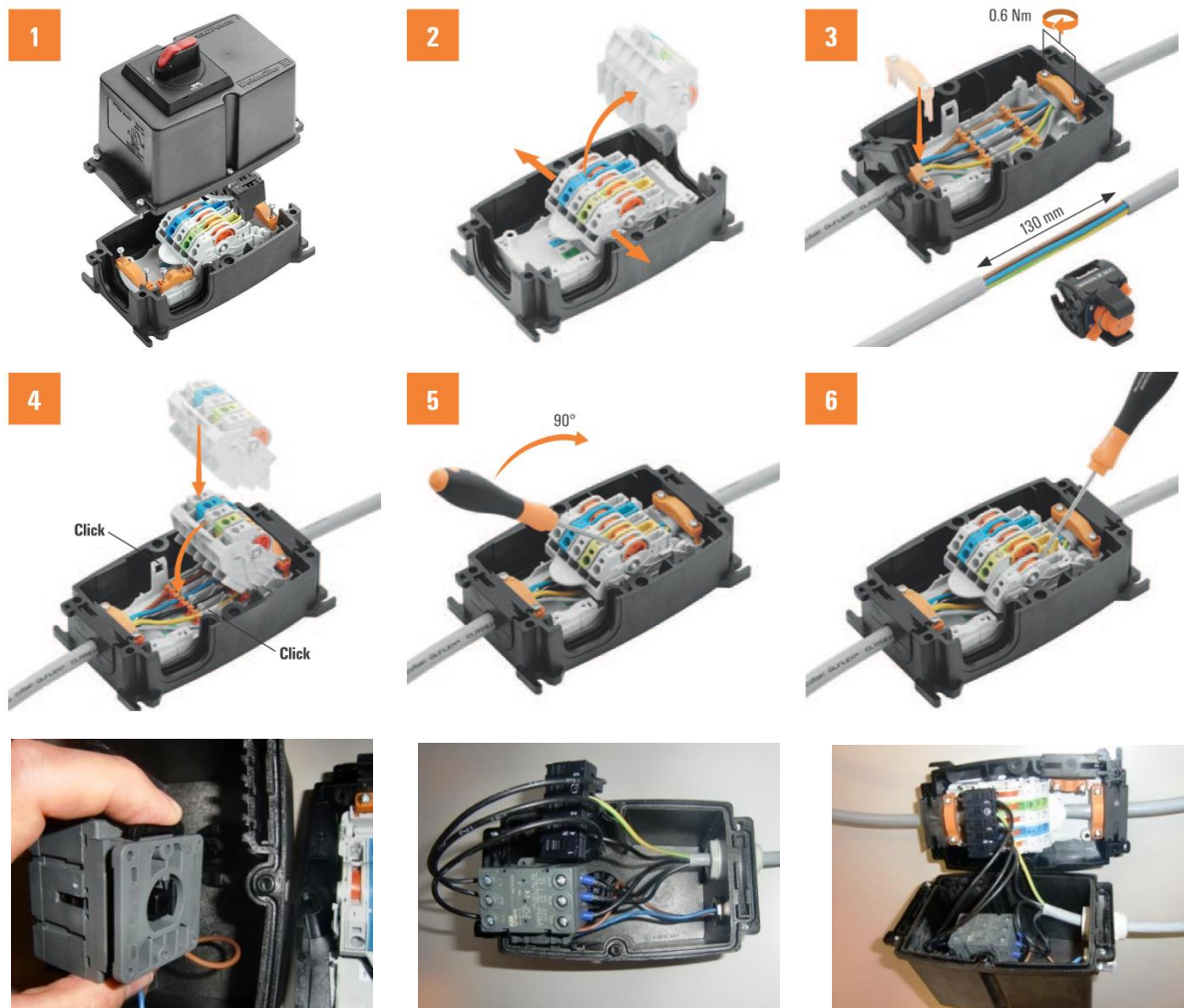
EN 60947-1

FieldPower® maintenance switch

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

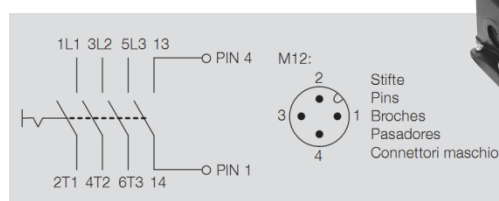
Installation

Maintenance switch for one motor



Installation movie FieldPower® terminal
https://www.youtube.com/watch?v=YSSKW2E_4SU

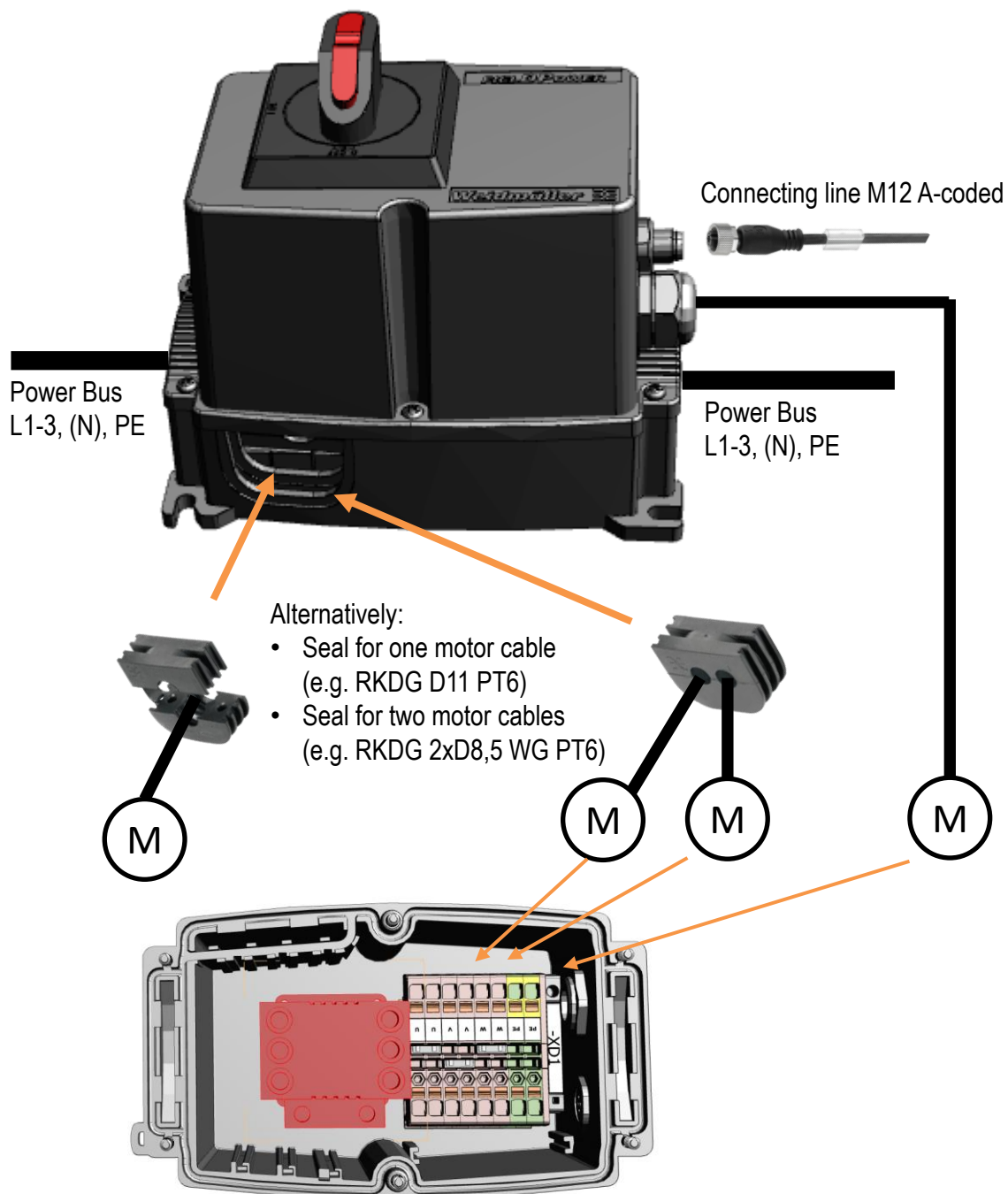
PIN-assignment M12 plug



Installation

Maintenance switch for two or three motors

FP BOX ON/OFF VG M20 3AN



FieldPower® maintenance switch

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

UL information

Maintenance switch for two or three motors

FP BOX ON/OFF VG M20 3AN

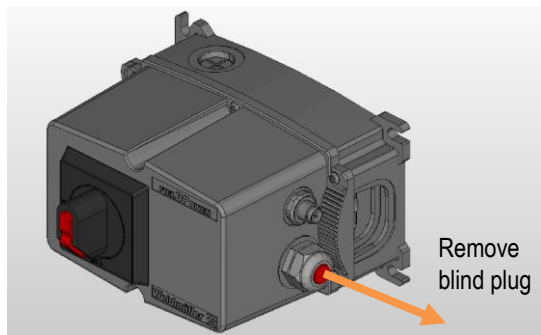
This variant complies with UL508A, taking into account the following notes on application:

Type:	Industrial Control Panel
Article number:	8000056232
Type:	FP BOX ON OFF VG M20 3AN
Rated power UL:	5 hp, 240 V AC 10 hp, 600 V AC
Rated SCCR:	5 kA
Cable size contact unit:	AWG14 to AWG10
Cable size terminals:	AWG16 to AWG12
Type rating:	Type 3R



WARNING: DO NOT OPEN WHEN ENERGIZED

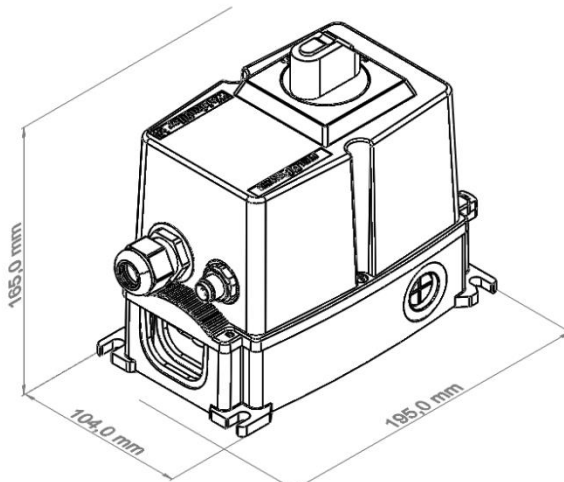
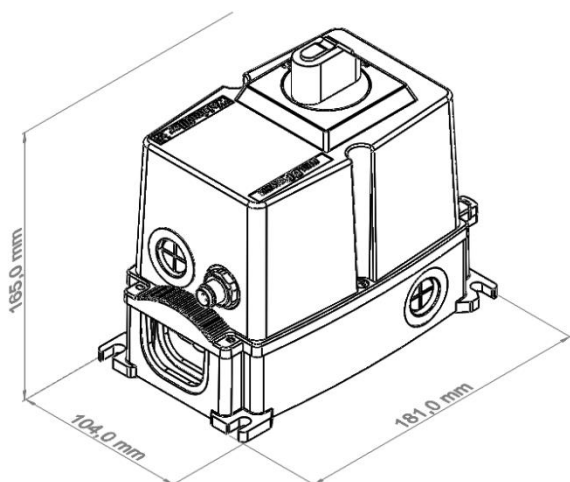
- A maximum of 3 motors may be connected to the FP BOX ON/OFF.
The maximum current per motor shall not exceed 4 A
- A suitable upstream fuse shall be provided by the customer.
Three Phase: 5,000 A rms symmetrical, 600 Vac maximum short circuit rating, when provided with
 - 50 A, Class RK5 fuses
 - 30 A, Class CC, J, T, RK1 fuses
- The blind plug in the cable gland serves only as dust protection during transport.
During installation, the plug should be removed and replaced with the motor cable.



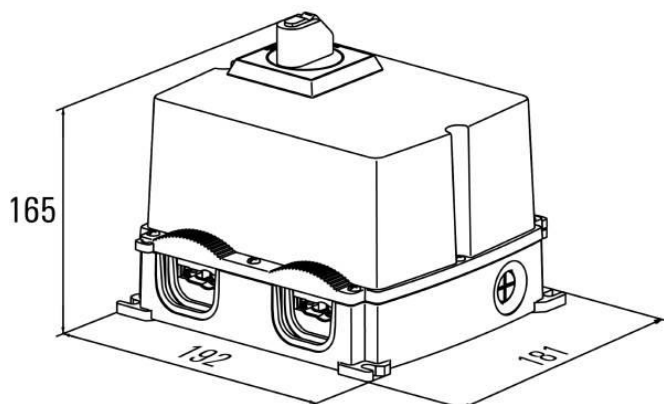
Drawings

Dimensions

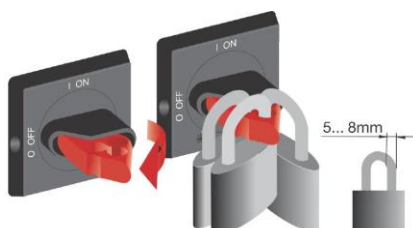
FP BOX ON/OFF....



FP BOX 10P AC DC ON/OFF



Dimensions pad lock



Interest awakened?

We are happy to answer your questions –
in person, quickly and easily

www.weidmueller.com/contact

Further information

[Landing page](#)

[Online catalog](#)

