General information

These brief instructions contain the essential installation instructions for FLEX empty enclosures without claiming to be complete. The brief instructions are intended for electrical engineering specialists of the manufacturer of the switchgear combination. In addition to these brief instructions, the applicable operating instructions at **www.pcelectric.at** must also be observed.

PC Electric GmbH accepts no liability for any damage caused by:

- Non-observance of this Quick Start Guide and the applicable operating instructions
- Non-intended use
- Work on the empty enclosure by non electro technical personnel
- Use of untested components from third-party suppliers

Safety information

WARNING

Risk of electric shock due to live equipment!

Before starting any work, perform the following safety steps:

- Disconnect
- Secure against restarting
- Check that no voltage is present
- Ground and short-circuit
- Cover or isolate adjacent live parts

WARNING

Risk of injury due to improper use in potentially explosive atmospheres!

FLEX enclosures are not designed for use in explosive atmospheres

- Observe the intended use of the FLEX enclosures

NOTE

Special operating conditions

- When used at temperatures below freezing point, the seals on the upper part of the enclosure or on the hinged window may freeze - Replace the FLEX empty enclosure with the damaged seals
- In environments with fluctuating temperature or high humidity, damage due to condensation is possible - Provide FLEX empty enclosure with appropriate provisions for ventilation

Responsibility of the manufacturer of the switchgear combination

- Only electro technical specialists may work on the FLEX empty enclosure
- Provide functional and personal protective equipment
- Comply with country-specific directives, regulations and product standards
- Properly perform contact protection, potential bonding and protective conductor integration of the installed switchgear
- Provide the necessary documents for qualified electricians
- Ensure that the installed components are used as intended

Intended use

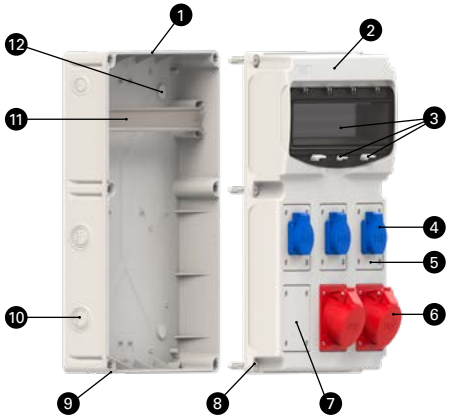
FLEX empty enclosure is suitable for:

- Installation of protection and control devices, as well as plugs and sockets
- Production of low-voltage and switchgear combinations
- Use according to the technical data

All specifications for the installation of the FLEX empty enclosure and the operating equipment must be observed. Any use beyond this is considered improper!

Product description

FLEX-empty enclosure is a distribution box made of isolated material ABS (Acryl-Butadien-Styrol).



Model FLEX 16-S6

1. Housing lower part
2. Housing upper part
3. Hinged window with snap lock and shut-off device
4. Safety socket (optional)
5. Flange adapter 50x50 (optional)
6. CEE mounted socket (optional)
7. Blind flange
8. Plastic housing screw (x6)
9. Opening for sealing Ø 2 mm
10. Drill mark for cable glands
11. Mounting rail TH35-7,5
12. Screw cover (x4)

Model overview

Modell:	**Model „E“** with closed top cover (no cutouts)			**Model „S“** with cutouts for adapters and flanged sockets, ...		
Type:	**FLEX 6-E**	**FLEX 10-E**	**FLEX 16-E**	**FLEX 6-S3**	**FLEX 10-S4**	**FLEX 16-S6**
Image:						
Units:	6 TE	10 TE	16 TE	6 TE	10 TE	16 TE
Article number:	15850600	15851000	15851600	15850603	15851004	15851606
Delivery:	1. Housing lower part with mounting rail 2. Housing upper part with hinged window 3. Quick start guide 4. Hinge strap (x2) 5. Pan head screw 4.8x13 (x4) 6. Screw cover (x2/x4/x4)			1. Housing lower part with mounting rail 2. Housing upper part with hinged window 3. Quick start guide 4. Hinge strap (x2) 5. Pan head screw 4.8x13 (x4) 6. Screw cover (x2/x4/x4) 7. Blind flange (x1) 8. Flange gasket 97x80 mm 9. Pan head screw 4,2x16 (x12/x16/x24)		

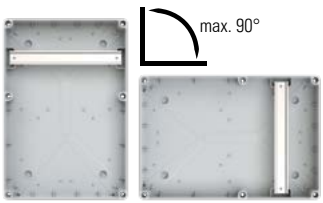
Further accessories and technical data visit **www.pcelectric.at**

Recommended assembly sequence using the FLEX 16-S6 model as an example

1. Drill openings for cable glands

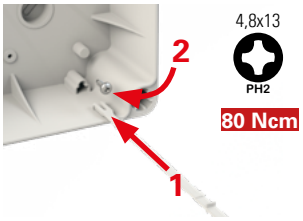
2. Drill holes for wall mounting (x4)

3. Wall mounting (TOP or max. 90°)

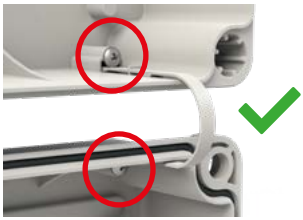


4. Mount screw covers (x4)

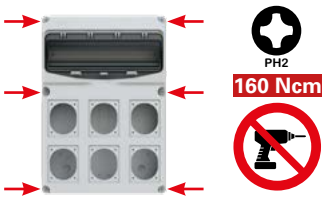
5. Insert hinge straps



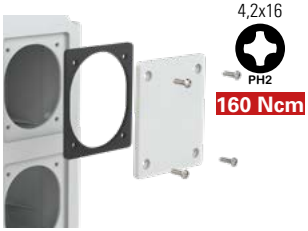
6. Fix hinge straps with screws (x4)



7. Mount top cover

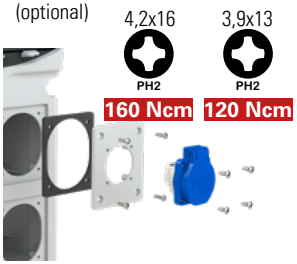


8. Mount blind flange

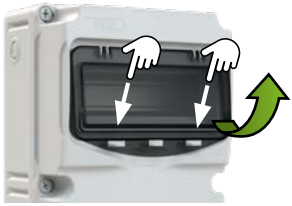


9. Mount CEE flanged sockets (optional)

10. Mount safety sockets with flange (optional)



11. Open hinged window



12. Close hinged window

These assembly instructions describe the assembly of the FLEX empty housing without electrical installation.

Compliance

FLEX empty housing complies with the following requirements and standards:

- Low Voltage Directive 2014/35/EU
- RoHS 2011/65/EU and 2015/863/EU
- FLEX empty housing complies with the requirements of IEC 62208 and EN IEC 62208 standard

(The type label is located inside the FLEX empty housing)

Technical data

Dimensions (outside/inside)	**6-E/6-SE**	**10-E/10-S4**	**16-E/16-S6**
Height [mm]	471/461	471/461	471/461
Width (mm)	160/150	230/220	330/320
Depth (mm)	132/72	158/92	158/92

Load capacity [max. N]	100	100	100
Weight [kg]	1,4	1,9	2,5
Power dissipation capacity (Pde) [W]	33	44	57
Ambient temperature [°C]	-25 to +40		
Transport and storage temperatures [°C]	-25 to +55 / short-term (24h) up to +70		
Insulation temperature index [°C]	90 (IEC 60085)		
Humidity for indoor installation [%]	5% to 95% at -5°C to +30°C 5% to 70% at -5°C to +35°C 5% to 57% at -5°C to +40°C		
Humidity for outdoor installation [%]	15% to 100% at -25°C to +30°C 15% to 60% at -25°C to +35°C 15% to 46% at -25°C to +40°C		
IP degree of protection	IP66/IP67/IP69		
IK impact resistance	IK08		
Pollution degree	3		
Rated insulation voltage [V]	690		
Maximum installation height over sea level [m]	2000		
Glow wire strength IEC/EN 60695-2-11 [°C]	650		

www.pcelectric.at

PC Electric GesmbH

Diesseits 145

4973 St. Martin im Innkreis

AUSTRIA

TEL +43 7751 61220

FAX +43 7751 6969

office@pcelectric.at

Art.Nr. 11203

© PC Electric Gesellschaft m.b.H.
We reserve the right to make changes in the interest of technical improvement as well as possible printing errors.

11203 FLEX KA V2.1 07.2026