



# PCE

Connection  
to the future



# FLEX

Enclosure for low-voltage switchgear assemblies

FLEX 6-E / 10-E / 16-E

FLEX 6-S3 / 10-S4 / 16-S6



# FLEX

## Enclosure for low-voltage switchgear assemblies

The series **FLEX** enclosures are suitable for low voltage switchgear combinations and designed for both indoor and outdoor applications. 3 different sizes are available as unequipped enclosures for self assembly - optionally with closed cover (blind) or prefabricated cut-outs for the installation of add-on sockets.

The solid, high-quality ABS housing, which has been tested and certified according to IEC/EN 62208, has **IP66/67** protection and impact protection of **IK10** as well as numerous other positive features. Under the transparent hinged window there is also sufficient space for switchgear up to 16 modules.

All in all, this enclosure series offers maximum **FLEX**ibility for a wide range of applications.

# Maximum **FLEX**ibility...

**Housing bottom part**

**Housing top part**  
with foamed seal



**Hinged window**  
with snap lock and shut-off device

**Mounting rail**  
TH35-7,5

**Drill marks**  
for cable glands

**Safety socket**  
(optional)

**Opening**  
for sealing

**Flange adapter**  
50x50 (optional)



**Blind flange**  
80x97

**CEE mounted socket**  
80x97 (optional)

**Hinge strap**



**Housing screw**  
made of plastic, captive

**Screw cover**

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## Enclosure closed



### FLEX 6-E

**Scope of delivery**

- bottom part of housing with mounted mounting rail for max. 6 modules
- closed top part of housing with mounted hinged window
- 2x hinge strap with screws
- 2x screw cover

15850600



### FLEX 10-E

**Scope of delivery**

- bottom part of housing with mounted mounting rail for max. 10 modules
- closed top part of housing with mounted hinged window
- 2x hinge strap with screws
- 4x screw cover

15851000



### FLEX 16-E

**Scope of delivery**

- bottom part of housing with mounted mounting rail for max. 16 modules
- closed top part of housing with mounted hinged window
- 2x hinge strap with screws
- 4x screw cover

15851600

## Enclosure with cut-outs



### FLEX 6-S3

#### Scope of delivery

- bottom part of housing with mounted mounting rail for max. 6 modules
- top part of housing with mounted hinged window and 3 cut-outs for flanged sockets (80x97mm)
- 1x blind flange with seal
- 12x flange screws
- 2x hinge strap with screws
- 2x screw cover

15850603



### FLEX 10-S4

#### Scope of delivery

- bottom part of housing with mounted mounting rail for max. 10 modules
- top part of housing with mounted hinged window and 4 cut-outs for flanged sockets (80x97mm)
- 1x blind flange with seal
- 16x flange screws
- 2x hinge strap with screws
- 4x screw cover

15851004



### FLEX 16-S6

#### Scope of delivery

- bottom part of housing with mounted mounting rail for max. 16 modules
- top part of housing with mounted hinged window and 6 cut-outs for flanged sockets (80x97mm)
- 1x blind flange with seal
- 24x flange screws
- 2x hinge strap with screws
- 4x screw cover

15851606

### Technical data

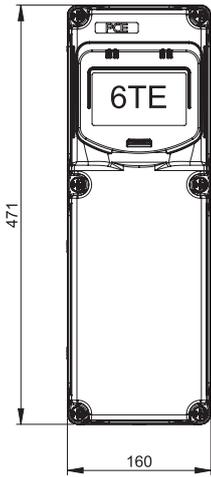
Outside dimensions	6-E/6-S3	10-E/10-S4	16-E/16-S6
Height (mm)	471	471	471
Width (mm)	160	230	330
Depth (mm)	132	158	158
<b>Inside dimensions - protected space</b>			
Height (mm)	461	461	461
Width (mm)	150	220	320
Depth (mm)	72	92	92
Load capacity (max.kg)	10	10	10
Weight (kg)	1,4	1,9	2,5
Power dissipation capacity P <sub>de</sub> (W)*	33	44	57
Material housing	ABS		
Color housing	similar to RAL7035		
Ambient temperature	-25°C to +40°C		
Transport and storage temperature	-25°C to +55°C / short-term (24h) up to +70°C		
Humidity for indoor installation	Max. 50% at max. ambient temperature of +40°C		
Humidity outdoor	Temporarily 90% at max. ambient temperature of +20°C		
IP-degree of protection	IP66/67		
IK impact resistance	IK10		
Pollution degree	3		
Rated insulation voltage	690 V		
Maximum installation height over sea level	2000m N.N.		
Glow wire strength IEC/EN 60695-2-11	650°C		
Directives	Low Voltage Directive 2014/35/EU RoHS 2011/65/EU and 2015/863/EU		
Standards	IEC/EN 62208		

\* valid for single housing for wall mounting

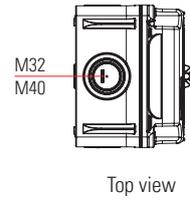
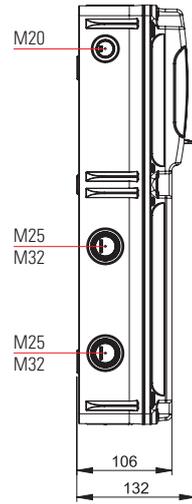
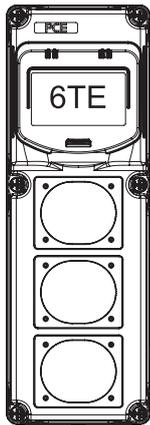
The technical data listed apply only to the intended use of the FLEX enclosure.

## Dimensions

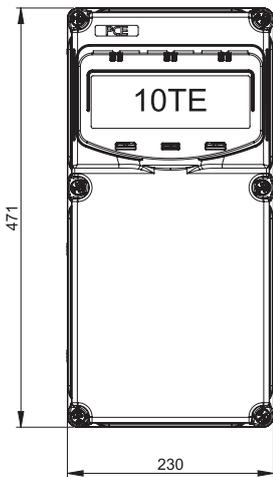
**FLEX 6-E**



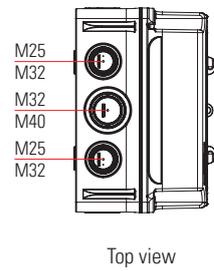
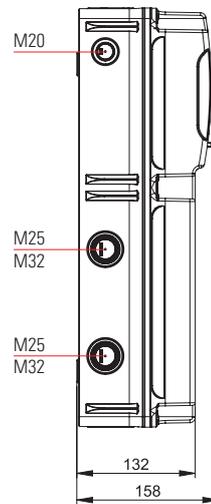
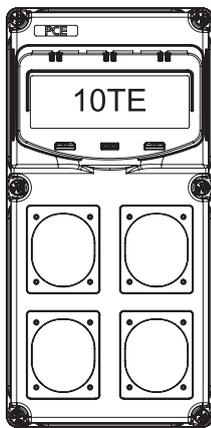
**FLEX 6-S3**



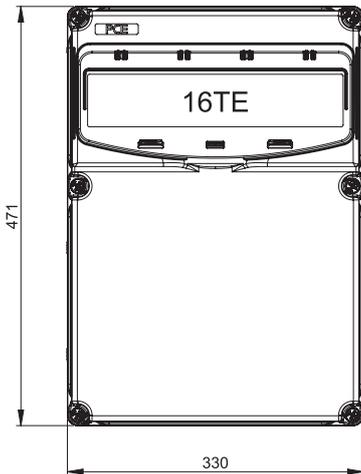
**FLEX 10-E**



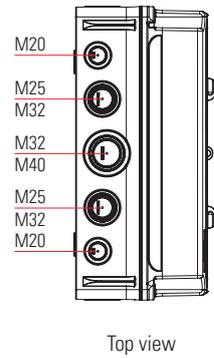
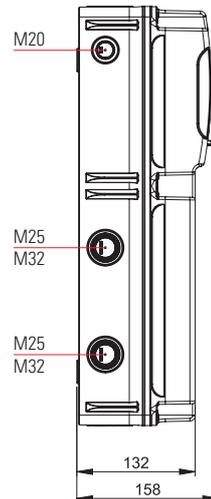
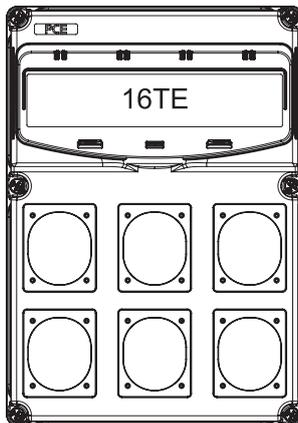
**FLEX 10-S4**



**FLEX 16-E**



**FLEX 16-S6**



# FLEX

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## Accessories

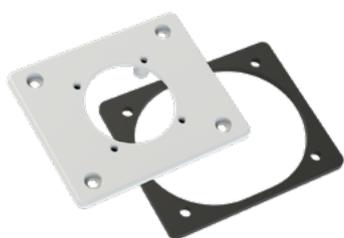


### Blind flange

**Set includes:**

- 6x flange adapter 80x97 - blind
- 6x flange seal

158500



### Flange adapter 50x50

**Set includes:**

- 6x flange adapter 80x97 for 50x50mm safety sockets
- 6x flange seal
- Pan head screws for mounting of flanged sockets

158550



### Handle

only for FLEX 10 and 16

**Set includes:**

- Handle
- Screws
- Cap nuts (isolated)



158502



### Cover rail

Cover rail blind for 6 modules



2119100



### Universal rack

only for FLEX 16-E/16-S6

### Mounting kit for universal rack

**Set includes:**

- Screws
- Cap nuts (isolated)



598053



158503

**Cable glands IP66/68** plastic, color light gray (RAL7035)

size	thread length (mm)	cable-Ø (mm)	width across flats (mm)	pack. unit (MOQ)	Cat.No.
M20x1,5	9	6-12	24	100	<b>23201509141</b>
M25x1,5	15	13-18	33	50	<b>23251511181</b>
M32x1,5*	15	18-25	42	25	<b>23321511211</b>
M40x1,5*	18	22-32	53	10	<b>23401513321</b>

\*incl. flat seal



**Blind screw fittings IP54** plastic, color light grey (RAL7035)

size	thread length (mm)	pack. unit (MOQ)	Cat.No.
M25x1,5	7	100	<b>2725151010</b>
M32x1,5	8	100	<b>273215101</b>
M40x1,5	9	100	<b>274015101</b>



**Lock nut** brass nickel coated

size	height (mm)	width across flats (mm)	pack. unit (MOQ)	Cat.No.
M20x1,5	3	24	100	<b>262015009</b>
M25x1,5	3,5	29	100	<b>262515009</b>
M32x1,5	4	36	100	<b>263215009</b>
M40x1,5	4,5	46	50	<b>264015009</b>



**Sealing ring** rubber black

size	height (mm)	Ø outside (mm)	Ø inside (mm)	pack. unit (MOQ)	Cat.No.
M20	1	23,5	18,2	100	<b>410814</b>
M25	1	29,5	23,2	50	<b>410808</b>
M32	1	36,5	30,2	25	<b>410810</b>
M40	1	45,5	38,2	10	<b>410811</b>



**Pressure screw** plastic, color light gray (RAL7035)

size	thread length (mm)	width across flats (mm)	Ø inside (mm)	pack. unit (MOQ)	Cat.No.
M32x1,5	14,5	34	26	25	<b>0530</b>
M40x1,5	16	42	34	10	<b>0526</b>



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## Flanged sockets

### Safety socket IP54 <sup>P-NOVA</sup> PLUS<sup>+</sup>

Flange 50x50mm



rear connection	pack. unit (MOQ)	Cat.No.
Austrian/German system	100	<b>1050-0b</b>
French/Belgian system	100	<b>1040-0b</b>
side connection		
Austrian/German system	100	<b>1050-0bs</b>
French/Belgian system	100	<b>1040-0bs</b>

### Safety socket IP54 S-NOVA<sup>®</sup>

Flange 50x50mm



rear connection	pack. unit (MOQ)	Cat.No.
Austrian/German system	100	<b>105-0b</b>
French/Belgian system	100	<b>104-0b</b>
side connection		
Austrian/German system	100	<b>105-0bs</b>
French/Belgian system	100	<b>104-0bs</b>

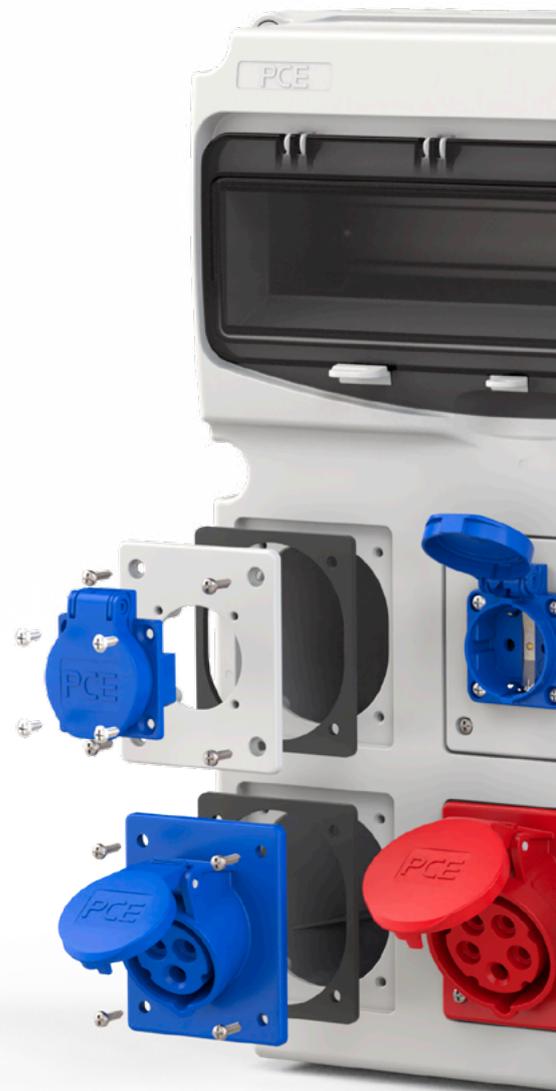
### Data socket IP54

Flange 50x50mm



12k452-0e

	pack. unit (MOQ)	Cat.No.
incl. 2x CAT 6 <sub>A</sub> RJ45 module	1	<b>12k452-0e</b>
Data socket with hinged lid (empty), 1x opening	1	<b>110m-0e</b>
Module CAT 6 <sub>A</sub> RJ45	1	<b>093617</b>
Module USB 2.0 A / USB 2.0 A	1	<b>086317</b>





## CEE flanged socket sloping IP44/54

with screw terminals, brass contacts, flange 80x97mm

		pack. unit (MOQ)	Cat.No.
<b>230V~</b>	16A 3-pole 6h	10	<b>413-6f8</b>
<b>400V~</b>	16A 4-pole 6h	10	<b>414-6f8</b>
<b>400V~</b>	16A 5-pole 6h	10	<b>415-6</b>
<b>230V~</b>	32A 3-pole 6h	10	<b>423-6</b>
<b>400V~</b>	32A 4-pole 6h	10	<b>424-6</b>
<b>400V~</b>	32A 5-pole 6h	10	<b>425-6</b>



## CEE flanged socket sloping IP67

with screw terminals, brass contacts, flange 80x97mm

		pack. unit (MOQ)	Cat.No.
<b>230V~</b>	16A 3-pole 6h	10	<b>4132-6f8</b>
<b>400V~</b>	16A 4-pole 6h	10	<b>4142-6f8</b>
<b>400V~</b>	16A 5-pole 6h	10	<b>4152-6f78</b>
<b>230V~</b>	32A 3-pole 6h	10	<b>4232-6f78</b>
<b>400V~</b>	32A 4-pole 6h	10	<b>4242-6f78</b>
<b>400V~</b>	32A 5-pole 6h	10	<b>4252-6f78</b>



Further accessories and technical data are listed in the PCE product catalog: [www.pcelectric.at](http://www.pcelectric.at)

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