

Ex-Distributions in Metal Design

Modular design made of stainless steel or powder coated sheet metal GHG 619

Robust enclosure for harsh ambient conditions

Distributions made of stainless steel or powder coated sheet metal for protection against aggressive environments are used for lighting, heating, motor and socket circuits in potentially explosive atmospheres.

The distributions contain components with flameproof enclosures. These flameproof components, such as MCBs, fuses etc., provide thermal and magnetic protection and can be snapped on individually on the DIN rails.

The distribution systems are available in stainless steel enclosures of various sizes. On standardised wall-mounting or free-standing frameworks, the

enclosures can be combined into large distribution systems. The frameworks come in standardised sizes to accommodate the enclosures and can be extended as required. MCBs, RCDs and other components can be operated via lockable actuating flaps, integrated in the enclosure cover, without opening the enclosure. CEAG fuse and MCB distributions provide cost-effective solutions. They fulfil all the requirements specified by the chemical, petrochemical and offshore industries.



Features

- Combinable for larger distributions
- Actuating flaps for easy operation
- Snap-on components
- Protection type IP66
- Easy to retrofit



EXKO 223 100

Technical data

MCB distribution for lighting circuits I heating circuits I socket distribution

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de ia/ib m [ia/ib] IIC T6/T5/T4 Ⓔ II 2 D Ex tD A21 IP66/IP65 T80 °C, T95 °C
EC-Type Examination Certificate	BVS 22 ATEX E 006
Permissible ambient temperature	-20 °C up to +40 °C -55 °C up to +55 °C (option)
IECEx Certificate of Conformity	IECEx BVS 22.0008
Marking accd. to IECEx	Ex de ia/ib m [ia/ib] T4 ... T6 Ex tD A21 IP66 T80 °C
(*) Optional the marking can be amplified with the types of protection of separately certified components for example „d“/„dB“/„m“/„mb“/„op is“/ und/oder „ia“/„op pr“	
(**) The values of the temperature class and the surface temperature is depending on the defined ambient temperature range and the specific power loss of each variant of distribution board.	
Rated voltage	up to 690 V (depends on components)
Rated current	up to 400 A (depends on components)
Protection class	I
Terminal cross section	up to 300 mm ²
Degree of protection accd. to EN 60529	IP66
Enclosure material	Stainless steel AISI 316 L
Enclosure colour	electro-polished

Ordering details distribution for lighting circuits (stainless steel)

Content	Type	MCB 2-pole	Connection terminals	Cable glands	Weight approx.	Order No.
40 A	1	8 x 16 A	10 mm ²	1 x M40 cable gland 8 x M25 cable gland	22 kg	EXKO 223 100 Q 0000
80 A	2	12 x 16 A	16 mm ²	1 x M50 cable gland 12 x M25 cable gland	34 kg	EXKO 223 100 Q 0001
80 A	3	24 x 16 A	16 mm ²	1 x M50 cable gland 24 x M25 cable gland	58 kg	EXKO 223 100 Q 0002

Ordering details distribution for heating circuits (stainless steel)

Content	Type	RCBO 2-pole	Connection terminals	Cable glands	Weight approx.	Order No.
40 A	1	8 x 16 A, 30 mA	10 mm ²	1 x M40 cable gland 8 x M25 cable gland	22 kg	EXKO 223 100 Q 0003
80 A	2	12 x 16 A, 30 mA	16 mm ²	1 x M50 cable gland 12 x M25 cable gland	34 kg	EXKO 223 100 Q 0004
80 A	3	24 x 16 A, 30 mA	16 mm ²	1 x M50 cable gland 24 x M25 cable gland	58 kg	EXKO 223 100 Q 0005

Ordering details distribution for sockets (stainless steel)

Content MCB	Type	Socket outlets	Cable glands	Weight approx.	Order No.
2 x 16 A	1	2 x 16 A 3-pole	1 x M40 cable gland	12 kg	EXKO 223 800 C 0004
2 x 16 A 1 x 32 A	2	1 x 16 A 3-pole 1 x 16 A 5-pole 1 x 32 A 5-pole	1 x M40	22 kg	EXKO 223 800 C 0005
4 x 16 A	3	2 x 16 A 3-pole 2 x 16 A 5-pole	1 x M40	27 kg	EXKO 223 800 C 0006

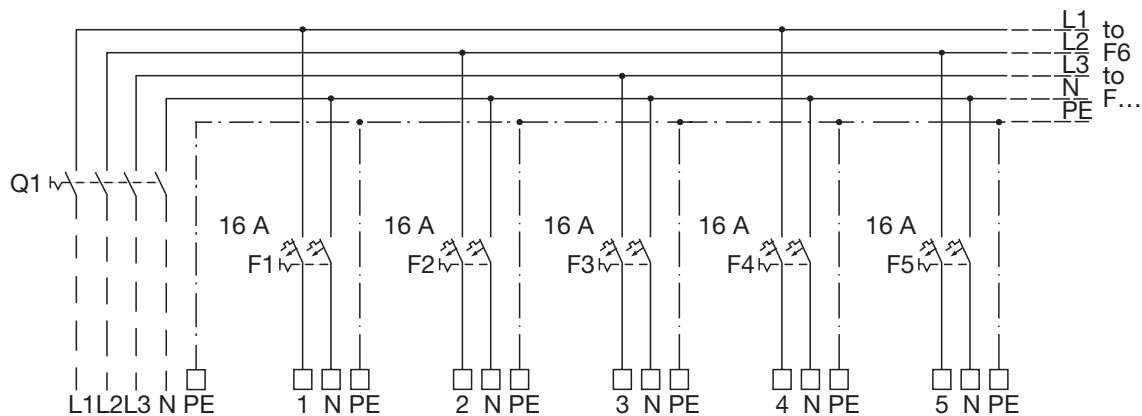
MCB distribution for lighting circuits, heating circuits, socket distributions



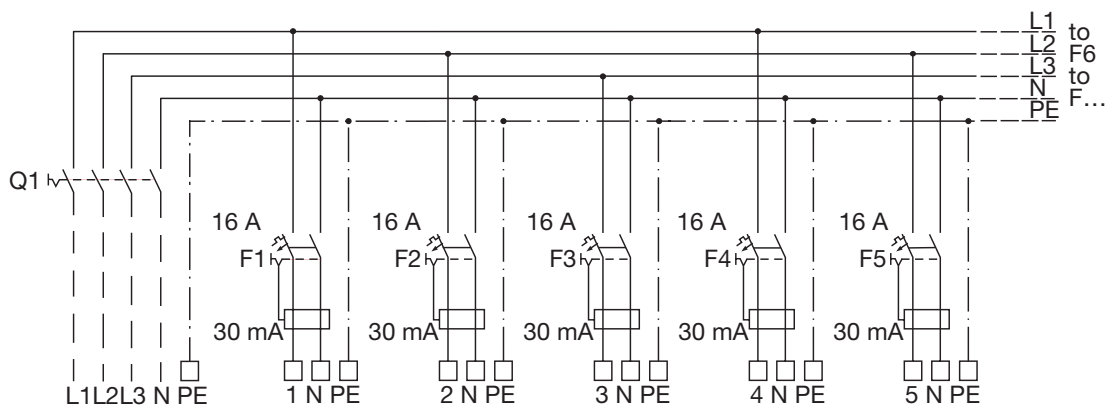
EXKO 223 100

Wiring diagram lighting distribution | heating circuits | socket distribution

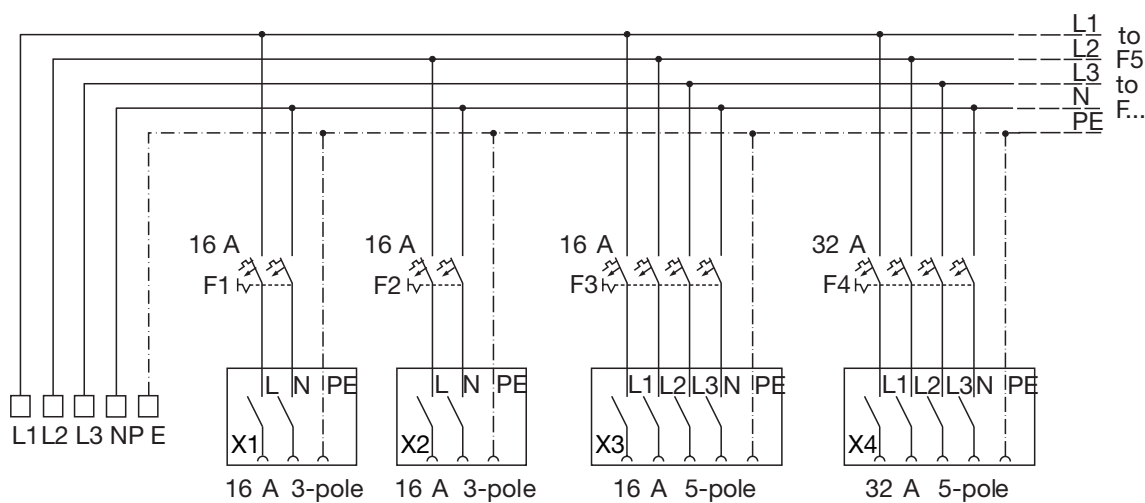
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Lighting distribution



Heating circuits



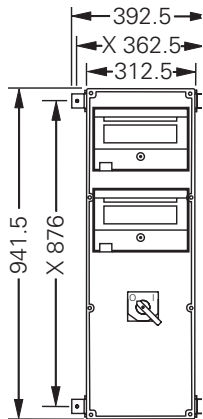
Socket distribution, must be protected by RCD



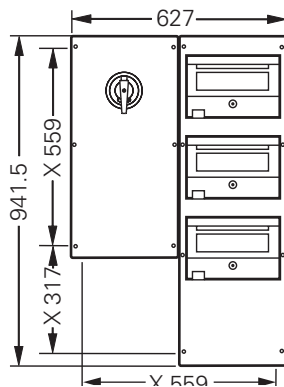
EXKO 223 100

Dimension drawing lighting distribution | heating circuits | socket distribution

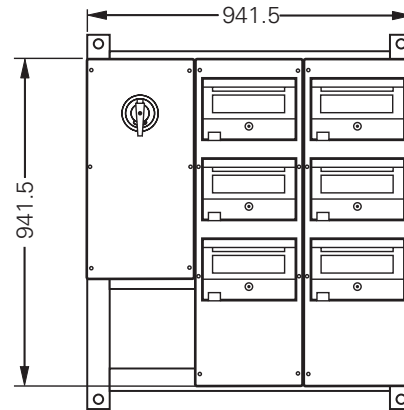
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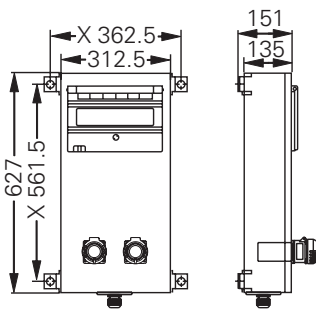
Type 1
Lighting distribution/heating circuits



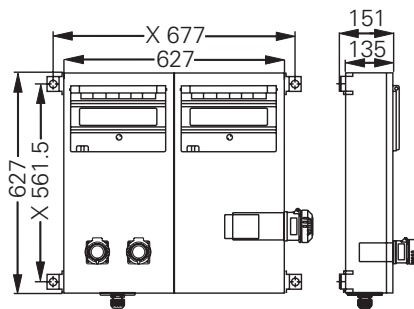
Type 2



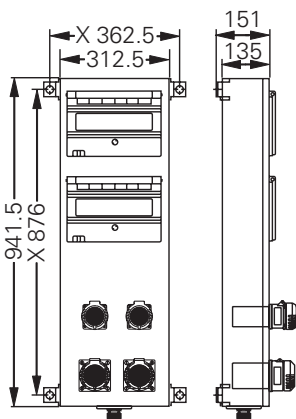
Type 3
X = fixing dimension



Type 1



Type 2



Type 3
Socket distribution

X = fixing dimension

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