E X - D I S T R I B U T I O N S

Moulded plastic in modular design

Eaton's Crouse-Hinds Businessnmakes explosion protection a snap – and that also applies to distributions.

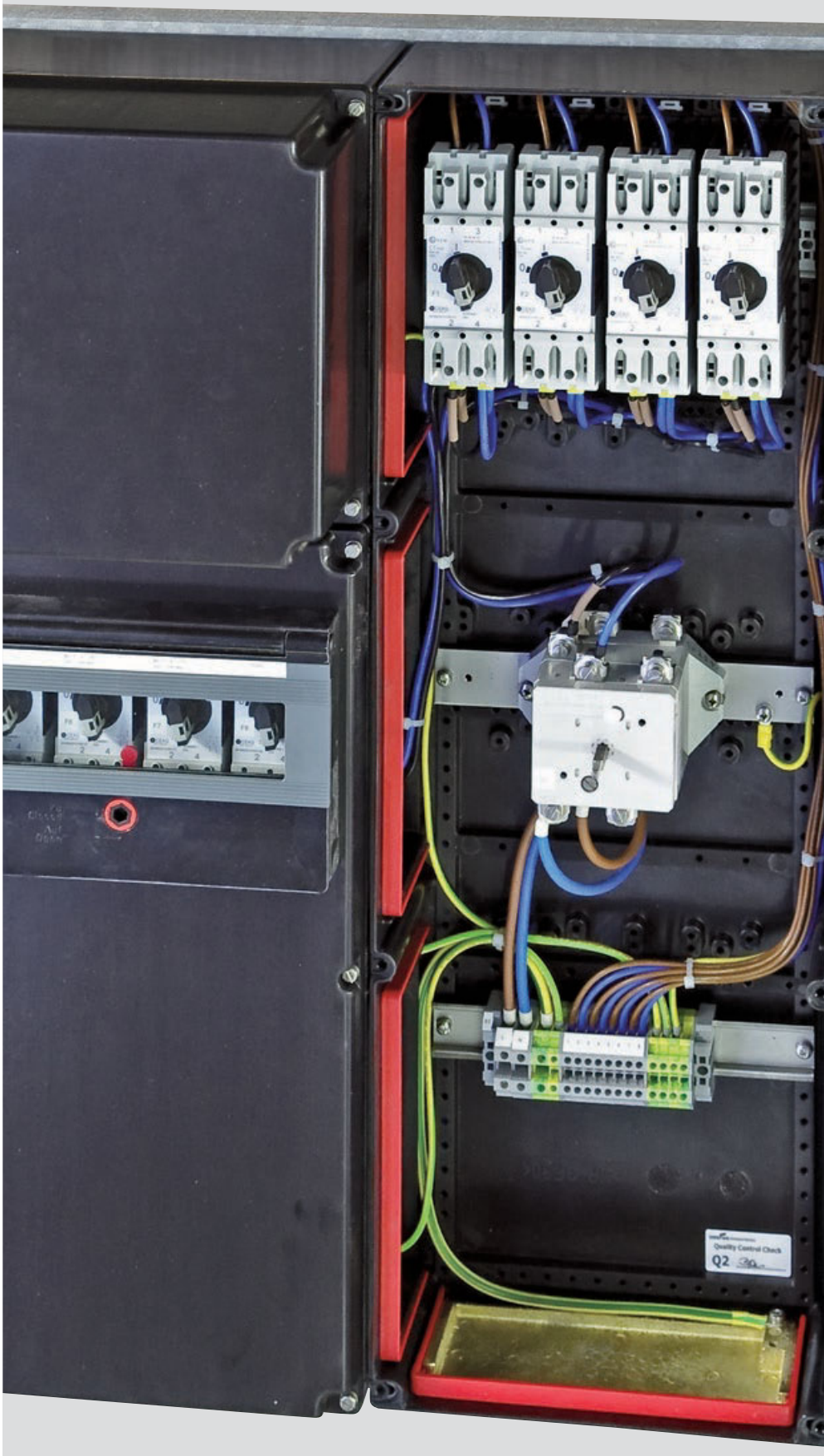
Electrical distributions for Ex-areas must be protected according to EN 60079 by constructional measures. Thus, the Eaton's Crouse-Hinds Business flameproof moulded-plastic distributions provide type Ex-e protection.

The enclosure and main-switch modules are available in the following materials: fibreglass reinforced polyester, electro-polished stainless steel and polyester powder-coated steel. Moulded plastic enclosures are flame-retardant according to UL 94 VO. All modules come in standardised sizes and can be interconnected as desired.

Cable entries of all kinds can be mounted individually on the screwless plastic or brass flanges. Since these flanges can be inserted in a snap, cable entries can be easily mounted at any time. The same applies to other extensions or modifications.

A bus-bar system can be used to provide power to the individual components. The flameproof encapsulated modules (Ex-d) can be combined according to customers' specifications. Five enclosure sizes provide enough space for whatever modules are required: MCBs, RCDs, RCBOs, contactors, motor starters, over current trips, star-delta time relays or main switches. The modules are inserted in the distribution by simple snap-on rail mounting. Thus, modules can be replaced or added quickly and reliably. Lockable actuating flaps allow operation without opening the enclosure.

Internationally approved.



- **Modular slip-on assembly**
- **High IP66 protection**
- **Snap-on components**
- **Retrofitting**

Technical data

MCB distribution for lighting circuits | heating circuits | socket distribution	
Marking accd. to 94/9/EC	Ⓔx II 2 G Ex de ia/ib m [ia/ib] IIC T6/T5/T4
	Ⓔx II 2 D Ex tD A21 IP66/IP65 T80 °C, T95 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	–20 °C up to +40 °C
	–55 °C up to +55 °C (option)
IECEx Certificate of Conformity	IECEx BKI 06.0007
Marking accd. to IECEx	Ex de ia/ib m [ia/ib] T4 ... T6
	Ex tD A21 IP66 T80 °C
Rated voltage	690 V
Rated current	180 A
Protection class	I
Terminal cross section	up to 240 mm²
Degree of protection accd. to EN 60529	IP66
Weight	see ordering details
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black

Ordering details distribution for lighting circuits

Content	Type	MCB 2-pole	Connection terminals	Cable glands	Weight approx.	Order No.
40 A	1	8 x 16 A	10 mm²	1 x M40 (17 - 28 mm Ø)		
				8 x M25 (8 - 17 mm Ø)	20 kg	**EXKO 214 600 G 0000**
80 A	2	12 x 16 A	16 mm²	1 x M50 (22 - 35 mm Ø)		
				12 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 214 600 G 0001**
80 A	3	24 x 16 A	16 mm²	1 x M50 (22 - 35 mm Ø)		
				24 x M25 (8 - 17 mm Ø)	56 kg	**EXKO 214 600 G 0002**

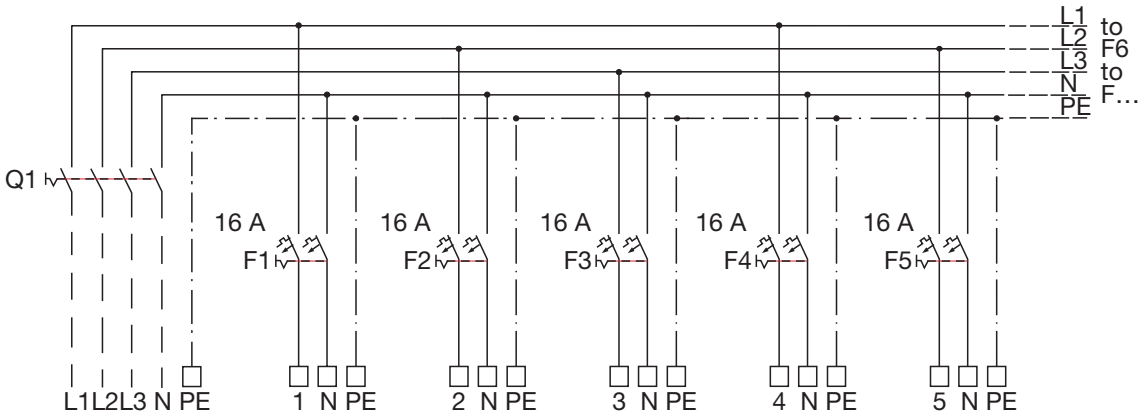
Ordering details distribution for heating circuits

Content	Type	RCBO 2-pole	Connection terminals	Cable glands	Weight approx.	Order No.
40 A	1	8 x 16 A, 30 mA	10 mm²	1 x M40 (17 - 28 mm Ø)		
				8 x M25 (8 - 17 mm Ø)	20 kg	**EXKO 214 600 G 0003**
80 A	2	12 x 16 A, 30 mA	16 mm²	1 x M50 (22 - 35 mm Ø)		
				12 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 214 600 G 0004**
80 A	3	24 x 16 A, 30 mA	16 mm²	1 x M50 (22 - 35 mm Ø)		
				24 x M25 (8 - 17 mm Ø)	56 kg	**EXKO 214 600 G 0005**

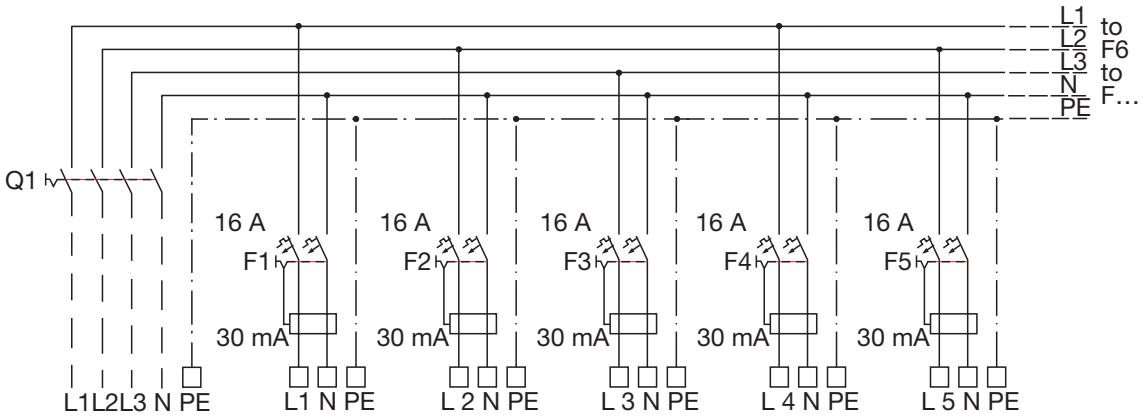
Ordering details distribution for sockets

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 (17 - 28 mm Ø)	10 kg	**EXKO 233 800 C 0001**
2 x 16 A	2	1 x 16 A 3-pole			
1 x 32 A		1 x 16 A 5-pole			
		1 x 32 A 5-pole	1 x M40	20 kg	**EXKO 233 800 C 0002**
4 x 16 A	3	2 x 16 A 3-pole			
		2 x 16 A 5-pole	1 x M40	25 kg	**EXKO 233 800 C 0003**

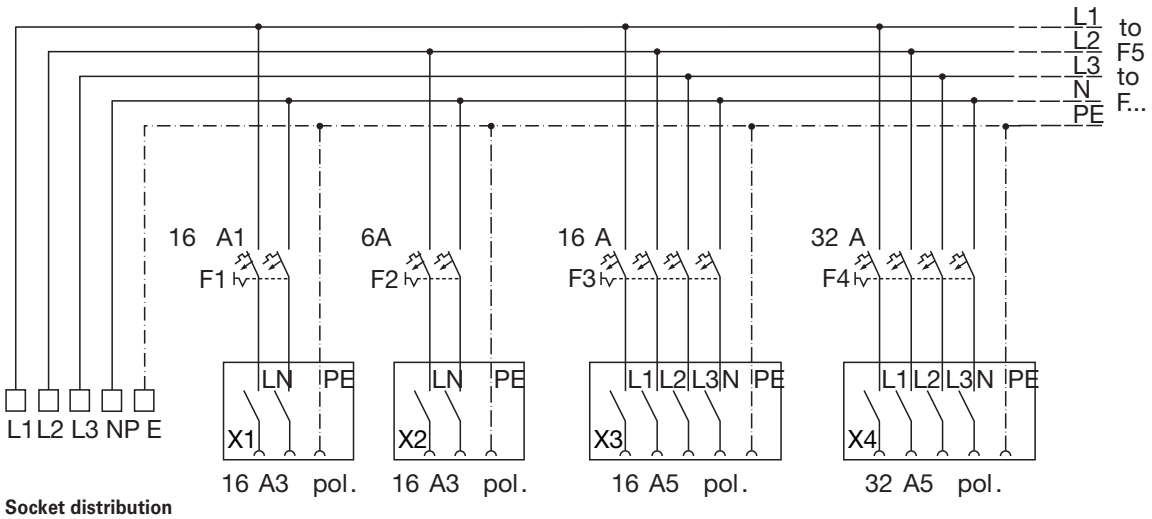
Wiring diagram lighting distribution | heating circuits | socket distribution



Lighting distribution

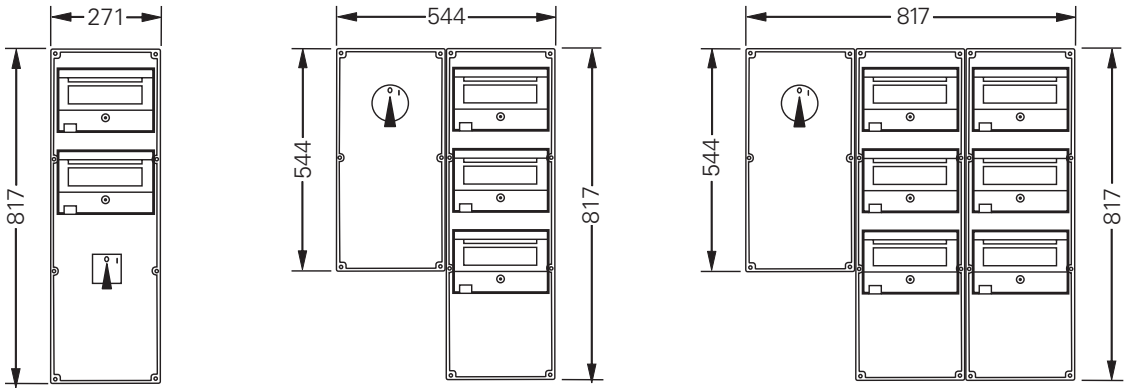


Heating circuits



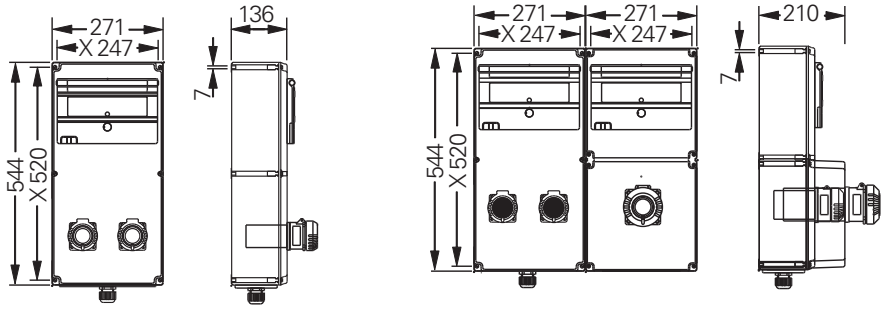
Socket distribution

Dimension drawing lighting distribution | heating circuits | socket distribution

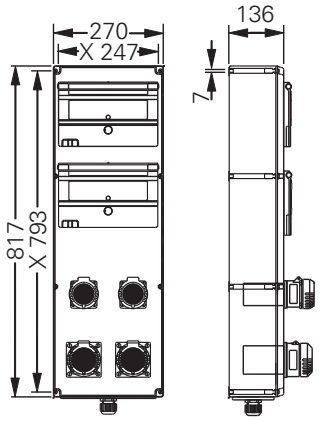


Type 1 **Type 2** **Type 3**

Lighting distribution/heating circuits



Type 1 **Type 2**



Type 3

Socket distribution **X = fixing dimension**

Dimensions in mm

EXKO 208900 C 0001

EXKO 208900 A 0003

Technical data

Complete motor starter distribution	
Marking accd. to 94/9/EC	Ⓔx II 2 G Ex de ia/ib m [ia/ib]IIC T4 ... T6
	Ⓔx II 2 D Ex tD A21 IP66/IP65 T80 °C/T95 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	–20 °C up to +40 °C
	–55 °C up to +55 °C (option)
IECEx Certificate of Conformity	IECEx BKI 06.0007
Marking accd. to IECEx	Ex de ia/ib m [ia/ib] T4 ... T6
	Ex tD A21 IP66 T80 °C
Rated voltage	690 V
Rated current	up to 180 A
Protection class	I
Terminal cross section	up to 240 mm²
Degree of protection accd. to EN 60529	IP66
Weight	see ordering details
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black

Ordering details complete motor starter distribution

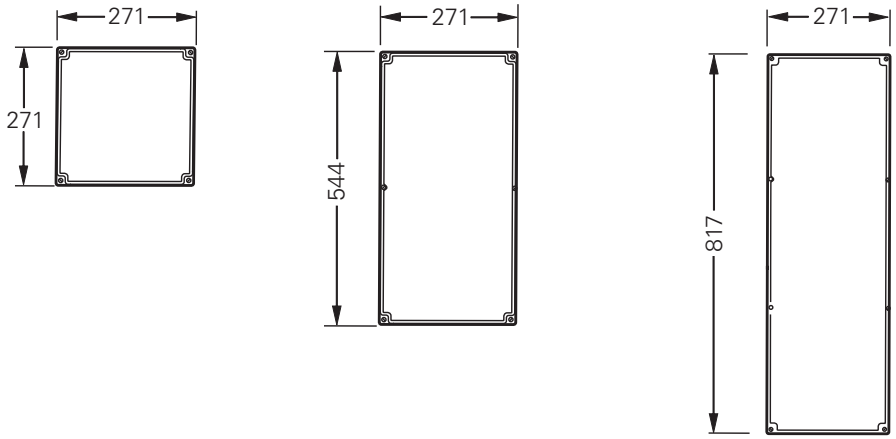
Content Motor capacity to AC 3	Type	Connection terminals	Cable glands	Weight approx.	Order No.
Direct circuit					
4 KW	1	10 mm²	3 x M25 (8 - 17 mm Ø)	20 kg	**EXKO 208 900 A 0001**
5.5 KW	2	16 mm²	3 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 208 900 A 0002**
7.5 KW	2	16 mm²	3 x M25 (8 - 17 mm Ø)	36 kg	**EXKO 208 900 A 0003**
Reversing circuit					
4 KW	2	10 mm²	3 x M25 (8 - 17 mm Ø)	20 kg	**EXKO 208 900 B 0001**
5.5 KW	2	16 mm²	3 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 208 900 B 0002**
7.5 KW	2	16 mm²	3 x M25 (8 - 17 mm Ø)	36 kg	**EXKO 208 900 B 0003**
Star-delta starter					
4 KW	2	10 mm²	4 x M25 (8 - 17 mm Ø)	20 kg	**EXKO 208 900 C 0001**
5.5 KW	2	16 mm²	4 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 208 900 C 0002**
7.5 KW	2	16 mm²	4 x M25 (8 - 17 mm Ø)	32 kg	**EXKO 208 900 C 0003**
11 KW	3	16 mm²	1 x M25 (8 - 17 mm Ø)		
			3 x M25 (8 - 17 mm Ø)	56 kg	**EXKO 208 900 C 0004**

The motor starters are completely wired for connection by customer.

EXKO 208900 A 0003

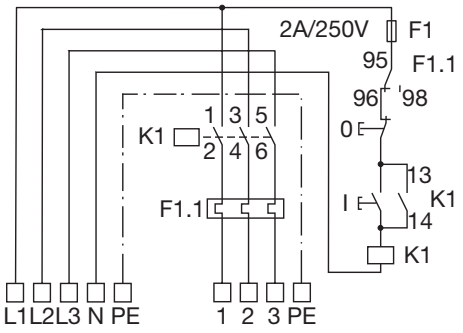
EXKO 208900 C 0001

Dimension drawing | wiring diagram

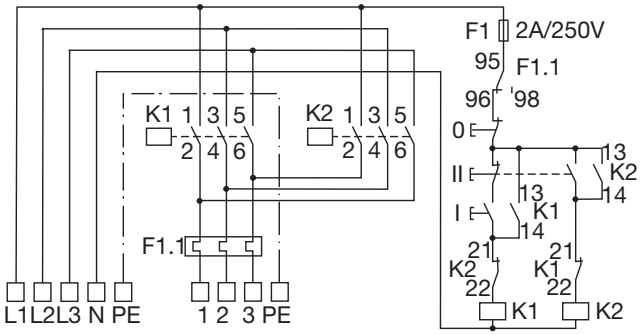


Type 1 **Type 2** **Type 3**

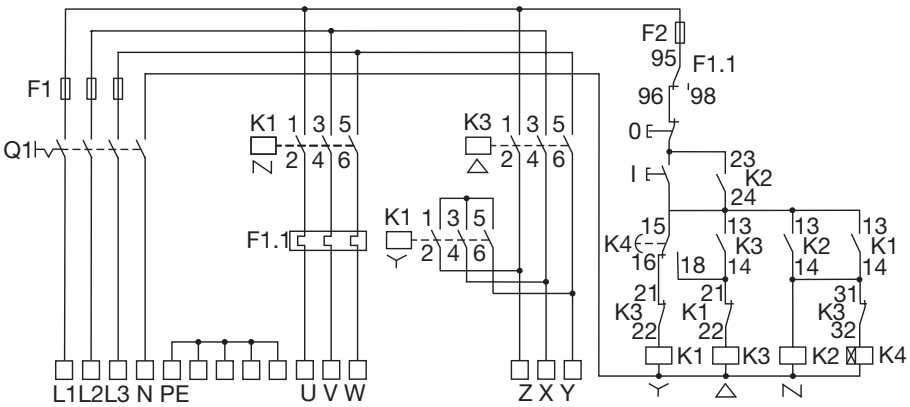
Direct circuit



Reversing circuit



Star-delta starter



Dimensions in mm