

Technische Daten

Ex – Manual Motor Starter 0.1 A bis 25 A

Marking accd. to 2014/34/EU		II 2 G Ex db eb IIC T4 Gb / II 2 D Ex tb IIIC T80°C Db
EC-Type Examination Certificate		BVS 22 ATEX E 0006
IECEX Certificate of Conformity		IECEX BVS 22.0008
Marking accd. to IECEx		Ex db eb IIC T4 Gb / Ex tb IIIC T80°C Db
Operating temperature		-20 °C up to +55 °C (IIC)
Storage temperature		-20 °C up to +55 °C (IIC)
Rated voltage	Main contact Aux. contact	max. 690 V AC max. 500 V AC
Rated current	Main contact Aux. contact	25 A AC15: 240 V/3.5 A, 415 V/2.0 A, 500 V/1 A / DC13: 24 V/2 A, 60 V/1 A, 110 V/0.5 A, 220 V/0.25 A
Rated making / breaking / capacity accd. to EN 60947-4-1 AC-3		U _e 690 V / I _e 25 A
Thermal tripping characteristic		T II
Tripping 6x I _e		≥ 5 sec.
Backup fuse	Main contact Aux. contact	see table not required
Connection terminals	Main contact Aux. contact	max. 1x 16mm ² 2x 6 mm ² max. 1x 2.5mm ²
Cable glands / enclosure drilling	0.1 - 6.3 A 6.3 - 25 A	2 x M25 (standard-plastic glands) 2 x M32 (standard-plastic glands) optional internal earth plate / metal gland plate with entries
Weight		glass-fiber reinforced polyester 2.9 kg / stainless steel 3.1 kg
Enclosure material		glass-fiber reinforces polyester / stainless steel (AISI 316L)
color		black / unpainted
Locking		lockable in OFF position with a standard padlock (Ø max. 6 mm)
Degree of protection accd. to EN 60529		IP66



Suitable for motors in the efficiency class IE3.

Short-circuit protection and maximum backup fuse

Setting range

230 V AC

400 V AC

500 V AC

690 V AC

	I _{cs}	gL, aM	I _{cs}	gL, aM	I _{cs}	gL, aM	I _{cs}	gL, aM
0.1 ... 0.16 A	short circuit proof – no backup fuse required up to I _{CC} = 100 kA							
1.0 ... 1.6 A								
1.6 ... 2.5 A							40 kA	25 A
2.5 ... 4.0 A					60 kA	35/40 A	10 kA	40 A
4.0 ... 6.3 A					40 kA	50 A	7 kA	40 A
6.3 ... 9.0 A					30 kA	80 A	5 kA	50 A
9.0 ... 12.5 A			75 kA	80 A	27 kA	80 A	4.5 kA	50 A
12.5 ... 16.0 A			60 kA	100 A	25 kA	100 A	4.0 kA	50 A
16.0 ... 20.0 A			55 kA	100 A	22 kA	100 A	3.5 kA	50 A
20.0 ... 25.0 A	50 kA	125 A	50 kA	125 A	20 kA	125 A	3.0 kA	50 A



Ex- Manual motor starter

Order code Ex- Manual motor starter from 0.1 A bis 25 A

EXKO 24 87 AA B C D 00

Setting range:

Enclosure material:

A = GRP

B = GRP (with internal gland plate)

C = GRP (with external gland plate)

D = Stainless steel

Aux. contact:

0 = without

1 = with

(2NO / 1NC)

Undervoltage trip:

0 = without undervoltage trip

1 = 24V 50Hz

2 = 110V 50Hz

3 = 220V 50Hz

4 = 230V 50Hz

5 = 240V 50Hz

6 = 380V 50Hz

7 = 400V 50Hz

8 = 24V DC

9 = 110V DC

Example - Order Details

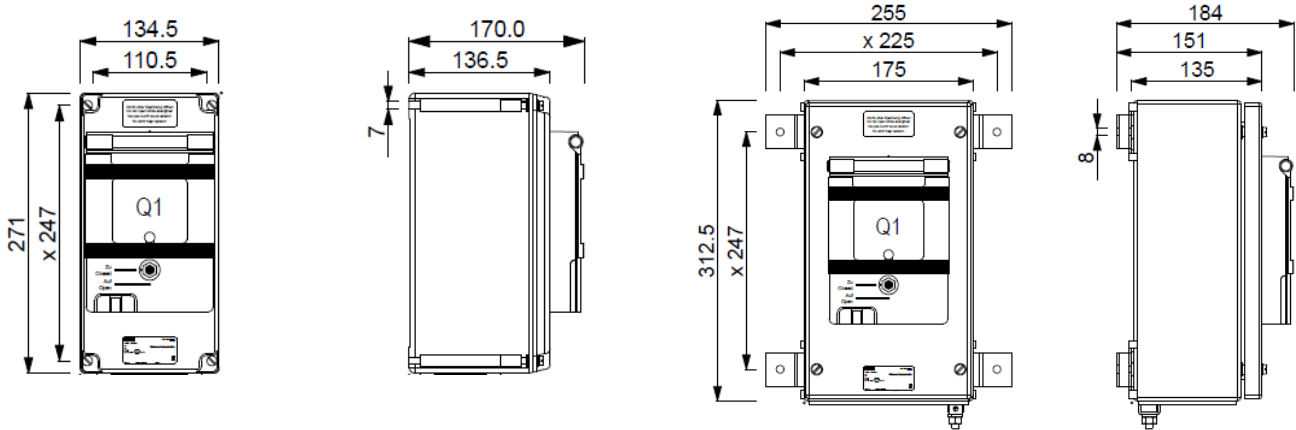
			AA	B	C	D	
			Setting range	Enclosure material	Aux. contact	Undervoltage trip	Order-Nr.
0.10	–	0.16 A	01	A	0	0	EXKO 2487 01 A 00 00
0.16	–	0.25 A	02	A	0	0	EXKO 2487 02 A 00 00
0.25	–	0.40 A	03	A	0	0	EXKO 2487 03 A 00 00
0.40	–	0.63 A	04	A	0	0	EXKO 2487 04 A 00 00
0.63	–	1.00 A	05	A	0	0	EXKO 2487 05 A 00 00
1.00	–	1.60 A	06	A	0	0	EXKO 2487 06 A 00 00
1.60	–	2.50 A	07	A	0	0	EXKO 2487 07 A 00 00
2.50	–	4.00 A	08	A	0	0	EXKO 2487 08 A 00 00
4.00	–	6.30 A	09	A	0	0	EXKO 2487 09 A 00 00
6.30	–	9.00 A	10	A	0	0	EXKO 2487 10 A 00 00
9.00	–	12.50 A	11	A	0	0	EXKO 2487 11 A 00 00
12.50	–	16.00 A	12	A	0	0	EXKO 2487 12 A 00 00
16.00	–	20.00 A	13	A	0	0	EXKO 2487 13 A 00 00
20.00	–	25.00 A	14	A	0	0	EXKO 2487 14 A 00 00



Ex- Motorschutzschalter

Dimension drawing I Terminal diagram

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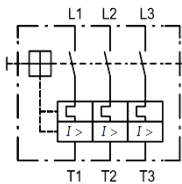


GRP (glass-fibre reinforced polyester)

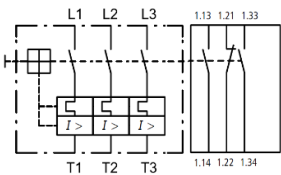
Stainless steel (AISI 316L)

Dimensions in mm

Ex- Manual motor starter 25A



without aux. contact



with aux. contact 2NO / 1NC