

Ex-d-Built-in components



Manual motor starter

Technical data

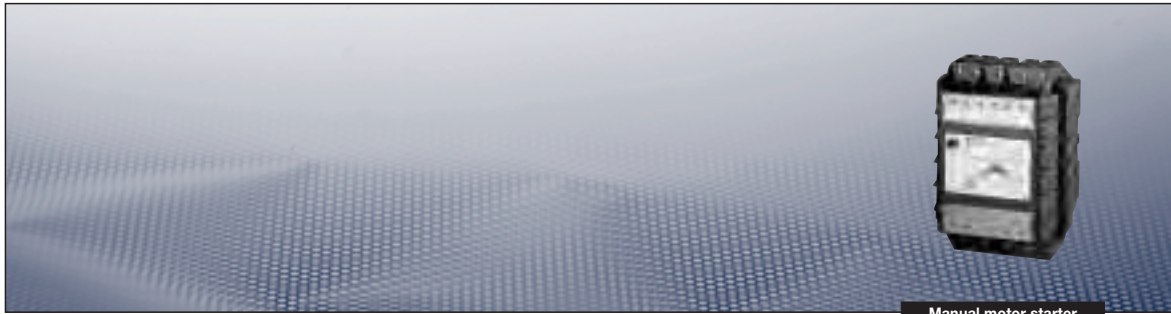
Manual motor starter 0.1 A up to 25 A

Marking to 94/9/EC	Ⓔ II 2 G Ex de IIC / Ⓔ I M 2 Ex de I	
EC Type Examination Certificate	PTB 99 ATEX 1007 U	
IECEX Certificate of Conformity	IECEX BKI 07.0038 U	
Marking accd. to IECEX	Ex de IIC	
Application temperature ¹⁾	-20 °C to +55 °C	
Rated voltage	Main contact	690 V AC, 50/60 Hz, 440 V DC
	Auxiliary contact	110 V; 230; 400 V; 500 V 50/60 Hz
Rated current	Main contact	25 A
	Auxiliary contact	230 V/2 A 400 V/0.5 A
Rated switching capacity AC3	Main contact	25 A
Thermal tripping characteristic	T II	
Tripping time at 6x I _e	≥ 5 sec.	
Back-up fuse	Main contact	see table
	Auxiliary contact	not required
Terminal cross-section	Main contact	2 x (0.75 to 4.0 mm ²)
	Auxiliary contact	2 x 2.5 mm ²
Dimensions (L x W x H)	Mounting width 106 mm	
Weight	1.3 kg	
Enclosure material	Glass-fibre reinforced polyester	
Enclosure colour	black	
Mounting	35 mm top hat rail (DIN-rail)	
Options	Auxiliary contact	

¹⁾ Depend on installation

Short-circuit protection up to 100 kA and max. back-up fuse protection

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								
1.0 ... 1.6 A		short-circuit proof, no back-up fuse required						
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



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GHG 635 XXXX RYYYY

1. Auxiliary contacts

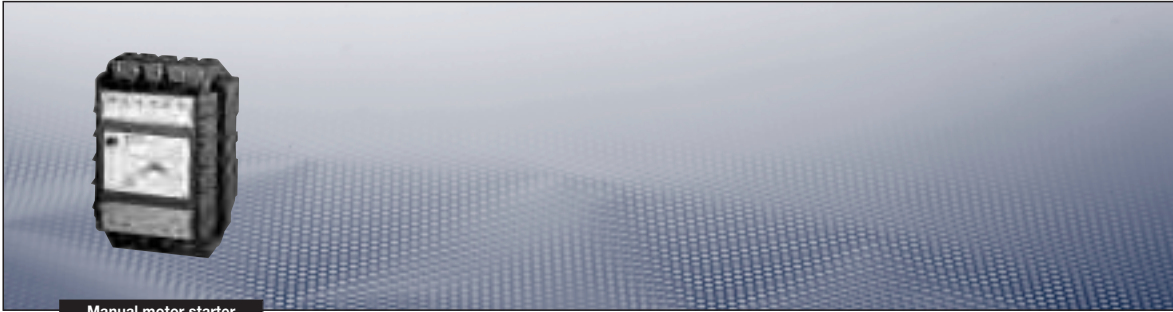
2. Setting range

Ordering details

Setting range	Undervoltage trip (UT)	Auxiliary contacts XXXX				Setting range YYYYY
		without AC	1NO / 1NC AC	2NO AC	1NC AC	
0.10 – 0.16	–	–	1032	1033	–	0001
0.16 – 0.25	–	–	1032	1033	–	0002
0.25 – 0.40	–	1031	1032	1033	–	0003
0.40 – 0.63	–	1031	1032	1033	–	0004
0.63 – 1.00	–	1031	1032	1033	1034	0005
1.00 – 1.60	–	1031	1032	1033	1034	0006
1.60 – 2.50	–	1031	1032	1033	–	0007
2.50 – 4.00	–	1031	1032	1033	–	0008
4.00 – 6.30	–	1031	1032	1033	–	0009
6.30 – 9.00	–	1031	1032	1033	–	0010
9.00 – 12.50	–	1031	1032	1033	–	0011
12.50 – 16.00	–	1031	1032	1033	–	0012
16.00 – 20.00	–	1031	1032	1033	–	0013
20.00 – 25.00	–	–	1032	1033	–	0014
0.25 – 0.40	230 V	–	–	–	–	0103
0.40 – 0.63	230 V	1031	–	–	–	0104
0.63 – 1.00	230 V	–	1032	–	–	0105
1.00 – 1.60	230 V	1031	1032	–	–	0106
1.60 – 2.50	230 V	1031	1032	–	–	0107
2.50 – 4.00	230 V	1031	1032	–	–	0108
4.00 – 6.30	230 V	–	1032	–	–	0109
6.30 – 9.00	230 V	1031	1032	–	–	0110
9.00 – 12.50	230 V	1031	–	–	–	0111
16.00 – 20.00	230 V	–	–	–	–	–
20.00 – 25.00	230 V	–	–	–	–	–
0.25 – 0.40	400 V	–	1032	–	–	0203
2.50 – 4.00	400 V	1031	1032	–	–	0208
4.00 – 6.30	400 V	–	1032	–	–	0209

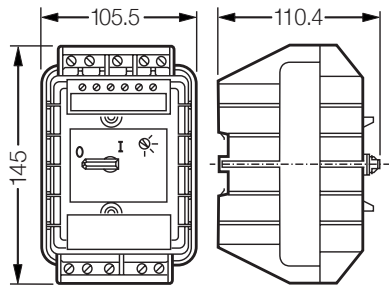
AC = Auxiliary contact

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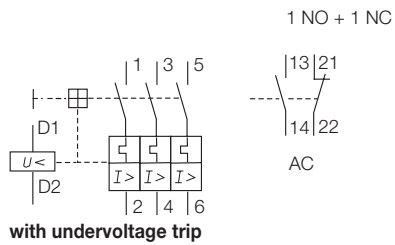
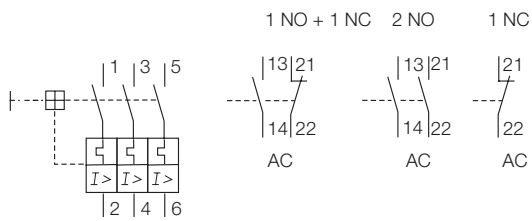


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Dimension drawing



Manual motor starter 25 A



AC = Auxiliary contact

Dimensions in mm