



3-pole

## Technical data

### Motor starter for direct on-line starting with thermal release 4 kW

Marking accd. to 94/9/EC		Ⓔ II 2 G Ex de IIC/IIB Gb / Ⓔ I M2 Ex de I
EC-Type Examination Certificate		PTB 98 ATEX 1087 U
IECEX Certificate of Conformity		IECEX BKI 07.0038 U
Marking accd. to IECEx		Ex de IIC
Operating temperature range		-20 °C up to +110 °C IIC -55 °C up to +110 °C IIB
Application temperature <sup>1)</sup>		-20 °C up to +55 °C IIC -55 °C up to +55 °C IIB
Rated voltage	main contact	max. 690 V AC / 50-60 Hz
Control voltage		12 V up to 400 V AC / 12 V up to 230 V DC
Rated current	main contact	max. 20 A
	aux. contact	max. 6 A
Rated making/breaking capacity		U <sub>e</sub> 230 V / P <sub>e</sub> 2.2 KW
accd. to EN 60947-4-1 AC3		U <sub>e</sub> 400 V / P <sub>e</sub> 4 KW
		U <sub>e</sub> 690 V / P <sub>e</sub> 4 KW
Rated making/breaking capacity aux. contact		U <sub>e</sub> 230 V / I <sub>e</sub> 4 A
accd. to EN 60947-4-1 AC-15		
Back-up fuse		20 A gL
Connecting terminals	main contact	2 x 10 mm <sup>2</sup> fine wire with wire end sleeve/single wire
	aux. contact/ control A1-A2	2 x 2.5 mm <sup>2</sup> fine wire with wire end sleeve/single wire
	signal contact	2 x 2.5 mm <sup>2</sup> fine wire with wire end sleeve/single wire
Weight		1.72 kg size 3
Enclosure material		glass-fibre reinforced polyester
Enclosure colour		black
Options		aux. contact

<sup>1)</sup> The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.6.31.

**| Ex-d-Built-in components |**



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**Ex-d-Built-in components**

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# GHG 618 3102 RXXYY

1. Rated current

2. Coil voltage

**Ordering details Type: 3-pole**

1. Rated current	XX	2. Control voltage A1-A2	YY
Module size 3 (70 mm)			
0.11 A - 0.16 A	01	110 V AC	04
0.16 A - 0.23 A	02	230 V AC	05
0.23 A - 0.36 A	03	240 V AC	06
0.36 A - 0.54 A	04	120 V AC	07
0.54 A - 0.80 A	05	400 V AC	08
0.8 A - 1.20 A	06	440 V AC	09
1.2 A - 1.8 A	07	380 / 400 V AC	10
1.8 A - 2.6 A	08	24 V DC	32
2.6 A - 3.7 A	09	48 V DC	34
3.7 A - 5.5 A	10	110 V DC	36
5.5 A - 8.0 A	11		
8.0 A - 11.5 A	12		

**Example**

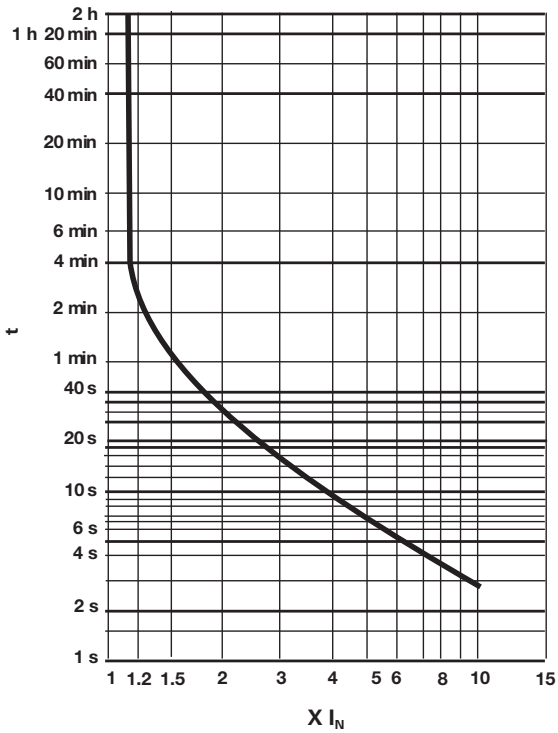
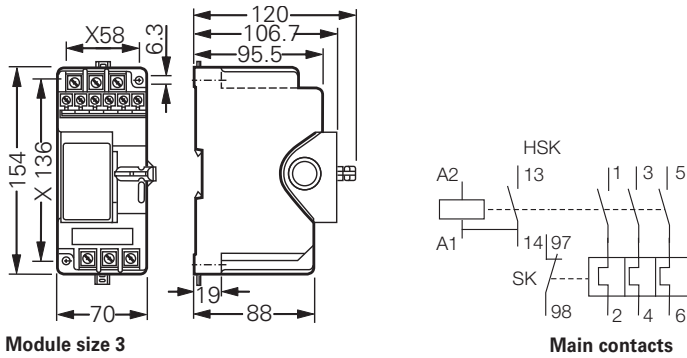
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Dimension drawing | Termination diagram



AC = aux. contact  
SK = signal contact