

GHG 612 residual circuit breaker with Overload (RCBO)



RCBO 2-pole

Technical data

RCBO 0.5 A up to 40 A

Marking accd. to 2014/34/EU		⊕ 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 (size 4 - IIC) -55 °C up to +110 °C (size 4 - IIB)
Application temperature ¹⁾		-20 °C up to +55 °C (size 4 - IIC) -55 °C up to +55 °C (size 4 - IIB)
Rated voltage	main contact aux. contact	max. 400 V AC (+ 10 %) max. 250 V AC
Rated current	RCD main contact aux. contact	25 A; 40 A 1.0 A up to 40 A max. 5 A
Rated switching capacity 2 phase		10 kA (2-pole)
Back-up fuse	RCD MCB	63 A gG depend on rated current up to 100 A
Connecting terminals	main contact aux. contact	2 x 10 mm ² fine wire with wire end sleeve/single wire 2 x 2.5 mm ² fine wire with wire end sleeve/single wire
Weight	1-pole + N 2-pole	0.95 kg size 2 1.57 kg size 4
Enclosure material		glass-fibre reinforced polyester
Enclosure colour		black
Options		auxiliary-/Signal contact
Padlocking facility		in OFF position with a commercially available padlock

¹⁾ 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 2.6.37.



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Order code RCBO 0.5 A up to 32 A

GHG 612 XXXX RYYYYY



1. Order code for RCBO 6 kA

Pole	Characteristic	Contacts	Termination diagram	Module size	XXXX RX
2-pole	K		4	4 105.5 mm	4156 R 0
2-pole	K	aux. contact (1 C/O)	5		4157 R 0
2-pole	K	Signal contact (1 C/O)	6		4158 R 0
2-pole	B, C				4156 R 2
2-pole	B, C	aux. contact (1 C/O)	5		4157 R 2
2-pole	B, C	Signal contact (1 C/O)	6		4158 R 2

1. Order code for RCBO 10 kA

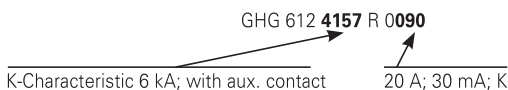
Pole	Characteristic	Contacts	Termination diagram	Module size	XXXX RX
2-pole	K		4	4 105.5 mm	4156 R 5
2-pole	K	aux. contact (1 C/O)	5		4157 R 5
2-pole	K	signal contact (1 C/O)	6		4158 R 5

2. Order code for tripping current and characteristic

Tripping current	Characteristic C (YYY)		Characteristic B (YYY)		Characteristic K (YYY)		Characteristic C (YY)
	30 mA	300 mA	30 mA	300 mA	30 mA	300 mA	
2 A	004	024			084	104	204
4 A	005	025			085	105	205
6 A	006	026	046	066	086	106	206
8 A	007	027	047	067	087	107	207
10 A	008	028	048	068	088	108	208
16 A	009	029	049	069	089	109	209
20 A	010	030	050	070	090	110	210
25 A	011	031	051	071	091	111	211
32 A	012	032	052	072	092	112	212
40 A			053	073	093	113	213

Example

GHG 612 XXXX R YYYYY



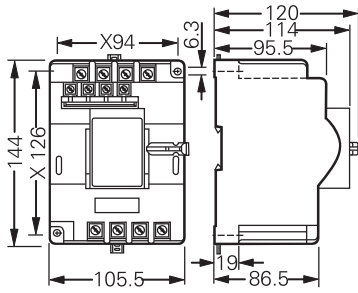
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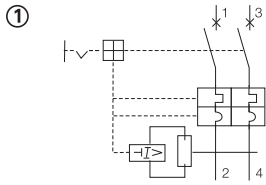
RCBO 2-pole

Dimension drawing | Termination diagram

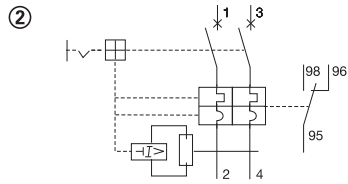
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Module size 4



RCBO 2-pole



RCBO 2-pol. with SK 1 C/O

Tripping characteristic see page 11.23

- HK = main contact
- ac = aux. contact
- SK = Signal contact