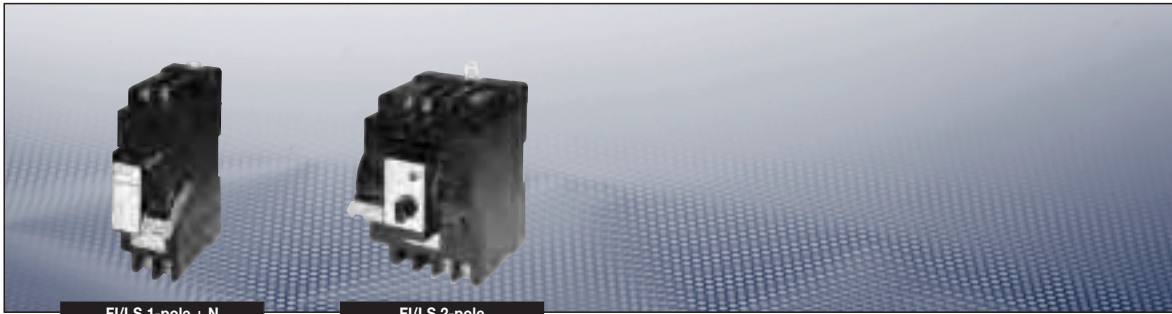


Ex-d-Built-in components

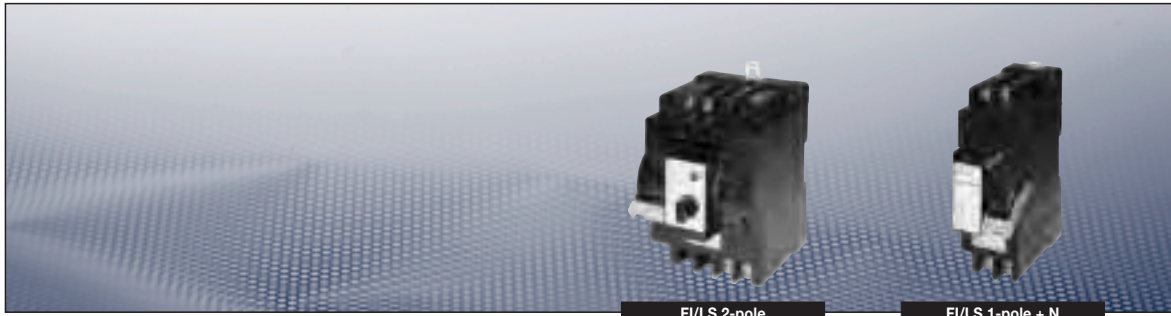


Technical data

MCB 0.5 A to 40 A with RCD

Marking to 94/9/EC	Ⓔ II 2 G Ex de IIC / Ⓔ I M 2 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			
Application temperature ¹⁾	-20 °C to +40 °C / -55 °C to +40 °C (option)			
Rated voltage	Main contact	max. 440 V AC		
	Auxiliary contact	max. 250 V AC		
Rated current	RCD	25 A; 40 A		
	Main contact	1,0 A to 40 A		
	Auxiliary contact	max. 5 A		
Power dissipation per pole in W	Release current	1P + N	2P	
	2 A	1.8	3.9	
	4 A	1.8	3.9	
	6 A	2.0	4.1	
	8 A	2.1	4.1	
	10 A	2.1	4.1	
	16 A	4.5	4.5	
	20 A	4.8	6.4	
Rated switching capacity 2/3 phase	25 A	6.3	8.5	
	32 A	8.8	10.9	
	40 A	9.9	15.0	
	6 KA (1-pole + N) / 10 KA (2-pole)			
	Back-up fuse	RCD	63 A gL	
		MCB	depend on rated current up to 100 A	
	Terminal cross-section	Main contact	2 x 10 mm ² fine wire with wire end sleeve/single wire	
		Auxiliary contact/ Coil connection	2 x 2.5 mm ² fine wire with wire end sleeve/single wire	
Weight	1 pole + N	0.95 kg size 2		
	2 pole	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⁾ Depend on installation



FI/LS 2-pole

FI/LS 1-pole + N

Ex-Built-in components

MCB 0.5 A to 40 A with RCD

GHG 612 XXXX RXYYY

1. Contacts

2. Release current

1. MCB with RCD 6 kA

Pole	Characteristic	Contacts	Termination diagram	Module size	XXXX RX
1 pole + N	B, C, K		1	2 53.0 mm	2143 R 2
1 pole + N	B, C, K	Signal contact (1 change-over)	2	3 70.0 mm	3144 R 2
1 pole + N	B, C, K	Auxiliary contact (1 change-over)	3		3159 R 2
2 pole	K		4	4 105.5 mm	4156 R 0
2 pole	K	Auxiliary contact (1 change-over)	5		4157 R 0
2 pole	K	Signal contact (1 change-over)	6		4158 R 0
2 pole	B, C				4156 R 2
2 pole	B, C	Auxiliary contact (1 change-over)	5		4157 R 2
2 pole	B, C	Signal contact (1 change-over)	6		4158 R 2

1. MCB with RCD 10 kA

Pole	Characteristic	Contacts	Termination diagram	Module size	XXXX RX
1 pole + N	B, C		1	2 53,0 mm	2143 R 5
1 pole + N	B, C	Signal contact (1 change-over)	2	3 70.0 mm	3144 R 5
1 pole + N	B, C	Auxiliary contact (1 change-over)	3		3159 R 5
2 pole	K		4	4 105.5 mm	4156 R 5
2 pole	K	Auxiliary contact (1 change-over)	5		4157 R 5
2 pole	K	Auxiliary contact (1 change-over)	6		4158 R 5

2. Release current and characteristic

Tripping current	Characteristic C (YYY)		Characteristic B (YYY)		Characteristic K (YYY)		Characteristic C (YYY) 100 mA
	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

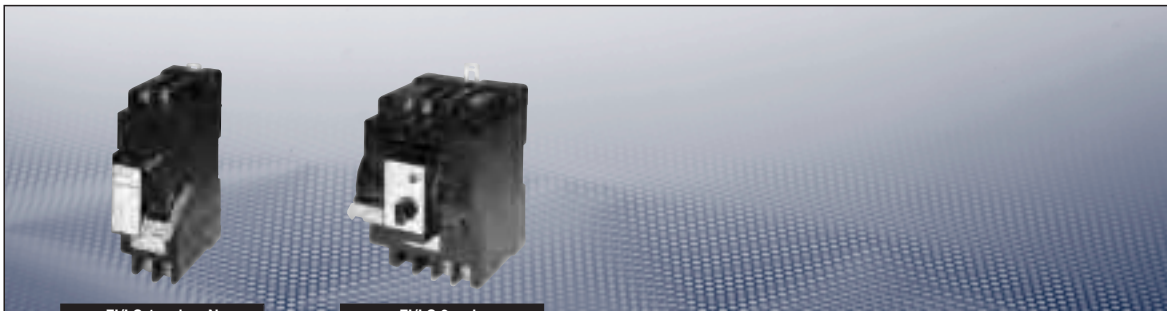
GHG 612 XXXX R XYYY

GHG 612 **4157** R **0090**

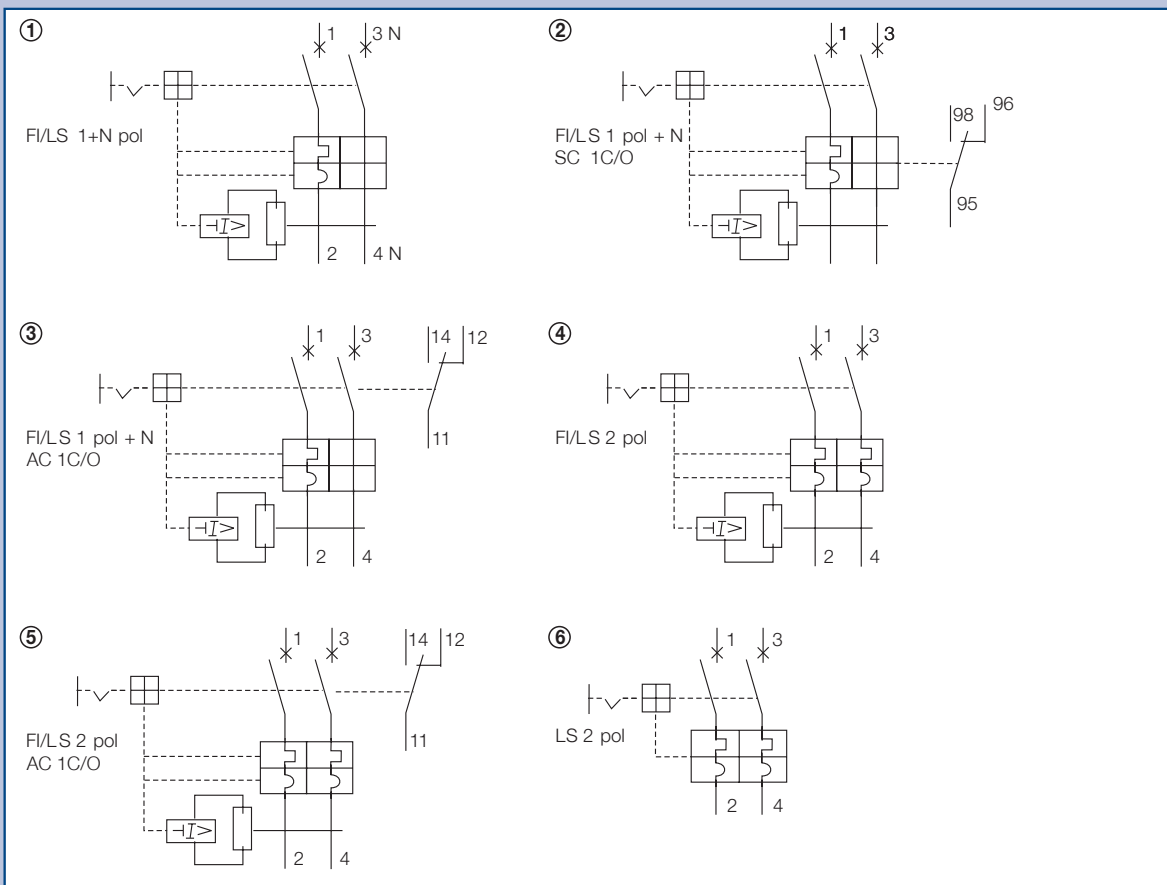
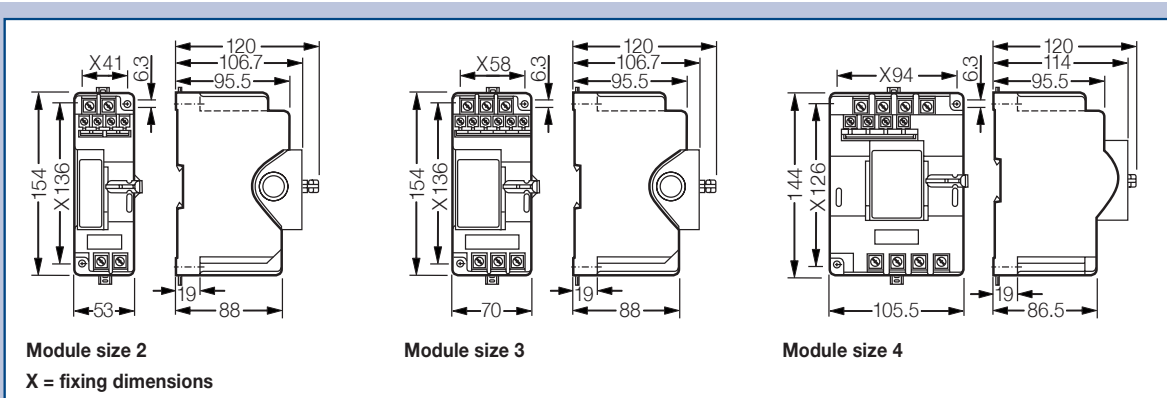
K-Characteristic 6 kA; with auxiliary contact

20 A; 30 mA; K

Ex-d-Built-in components



Dimension drawing | Termination diagram



Tripping characteristic see page 11.23

MC = Main contact
AC = Auxiliary contact
SC = Signal contact

Dimensions in mm