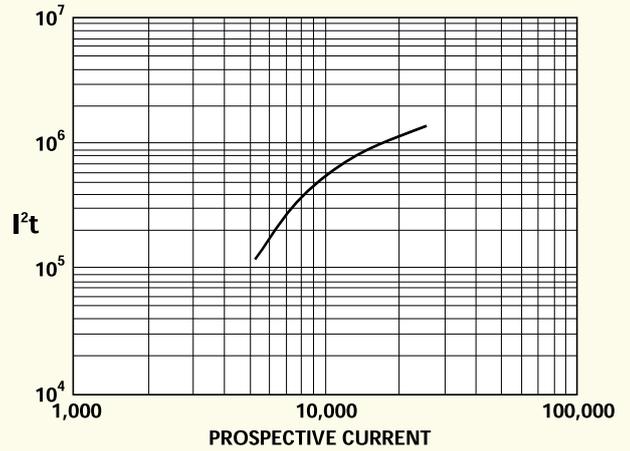


G FRAME MCCB'S TECHNICAL SPECIFICATION

G FRAME SPECIFICATION

• Specification	BSEN60947-2
• Current Range	25 – 125A
• Ue Rated Operation Voltage	240V SP 415V TP
• Ui Rated Insulation Voltage	500V AC
• Rated Frequency	50/60Hz
• Release	Thermal Magnetic
• Adjustment	None
• Ambient Range	-20°C to 55°C
• Humidity Range	0 – 90%
• Weight	SP - 0.4kg TP - 0.95kg
• Mechanical Duration	8000 operations



FEATURES

The symmetrical vertical and horizontal axis with a double stepped escutcheon plate, enabling it to fit through either a 46mm or 80mm cut-out. A double insulated compartment located behind the removable escutcheon plate, facilities easy on-site installation of shunt trip and auxiliary switch units.

AVAILABLE OPTIONS

- ST (See Product Section for selection)
- Aux Switches
- Padlocking
- Terminal Shrouds

SHORT CIRCUIT BREAKING CAPACITY

Type	GB	GN
Ue	Icu	Icu
	SP/TP	TP
220 V	30	30
380 V	16	25
415 V	16	25

Ics = 50% Icu

INSTANTANEOUS TRIP BANDS

	SP	TP
25 – 32A	500A	400A
40 – 80A	800A	600A
100 – 125A	1250A	600A
Non-adjustable		±10%

TERMINALS

Front-connected clamps –
 25A to 125A – 70mm² cable
 – 10mm strip

AUXILLARY EQUIPMENT

G Frame MCCB's

- Shunt Trip & Auxillary Switch
- Two Auxillary Switches

(For Shunt Trip with 2 Auxillary C/O Switches add suffix A to ST List No.)

Shunt Trip

Max on time 1 cycle: 10 seconds

Max on time con. cycle: 6 seconds

24V dc	30W	} Closed Power Consumption 10% Duty Cycle
115V ac	43VA	
230V ac	43VA	

Auxillary Contact Ratings (A)

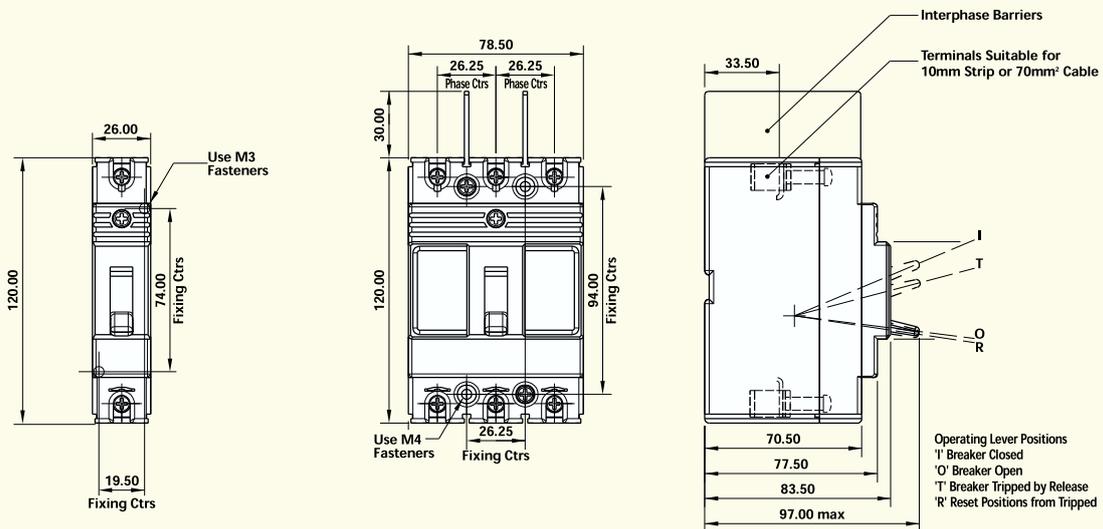
Voltage	Resistive Load (A)	Tungsten Load NC (A)	NO (A)	Inductive Load (A)
AC				
125	3	0.5	0.5	3
250	3	0.5	0.5	3
DC				
30	3	3	0.5	3
50	1	0.7	0.7	1
125	0.5	0.4	0.4	0.05

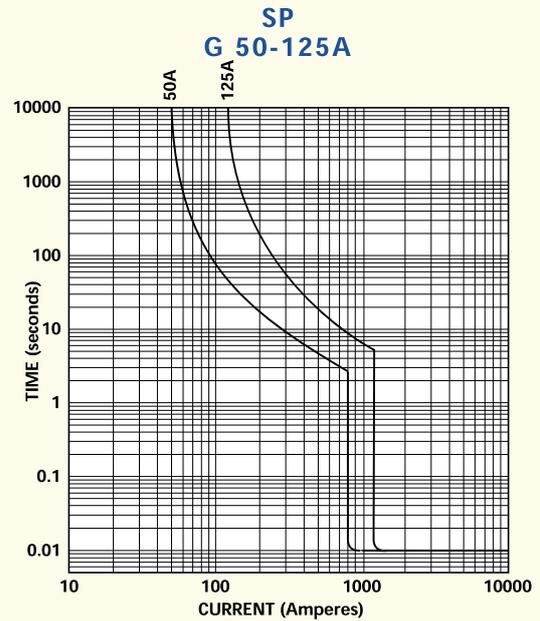
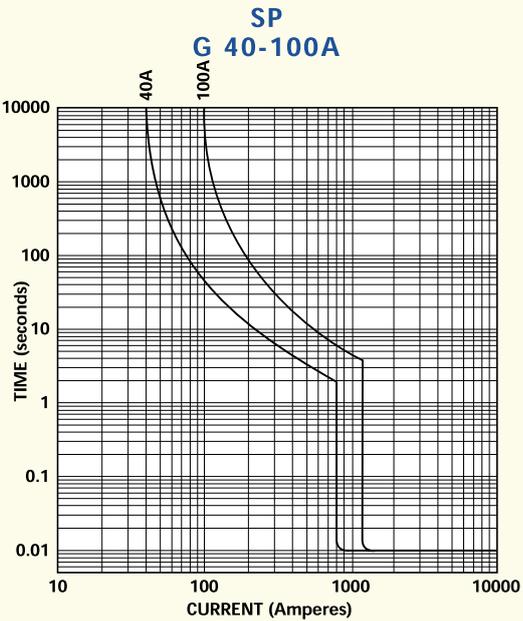
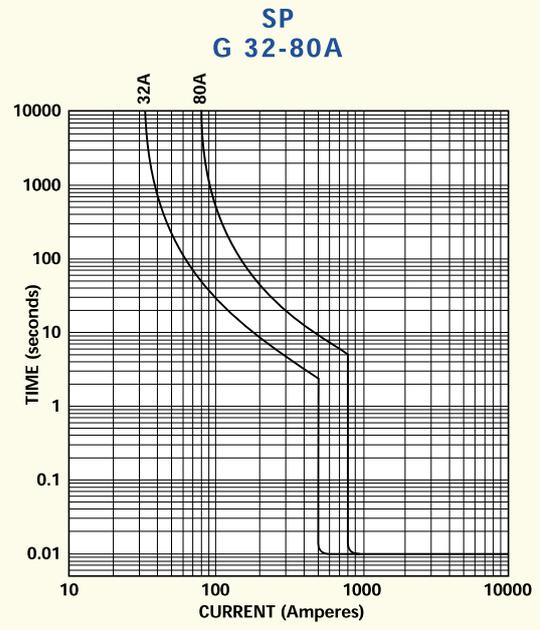
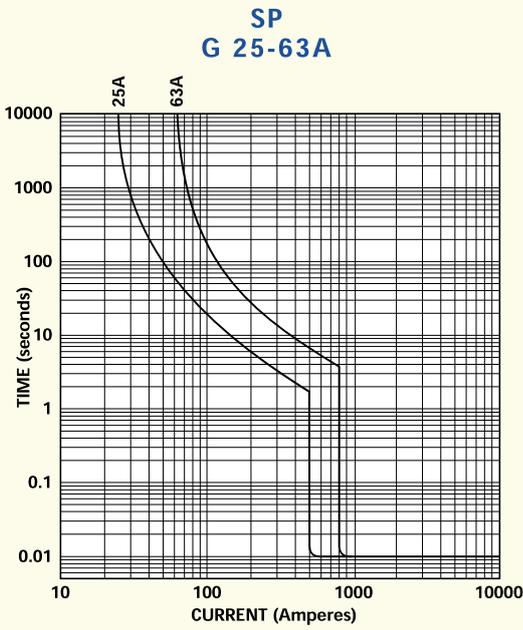
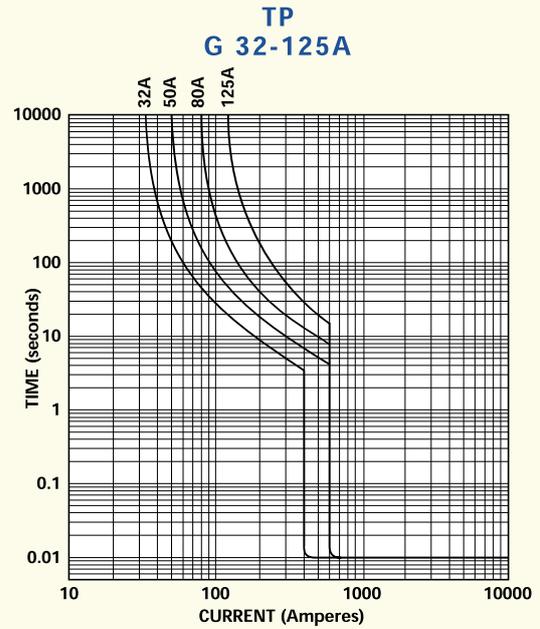
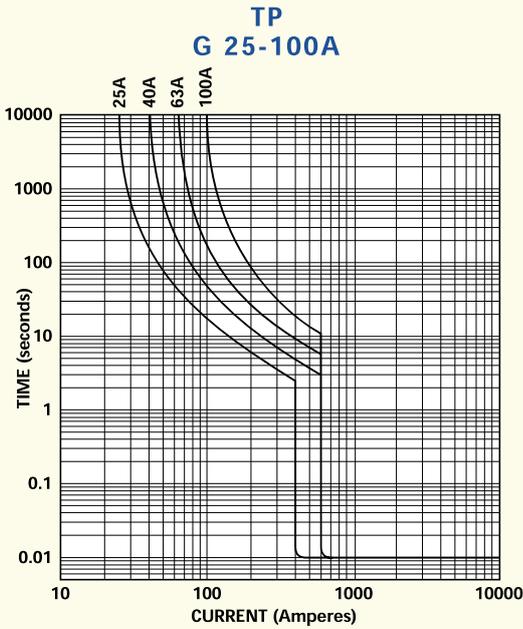
LOADLINE G FRAME MAXIMUM EARTH LOOP IMPEDANCES FOR TRIPLE POLE MCCBS Zs (ohms) for Uo = 240V~

Current Rating (A)	25	32	40	50	63	80	100	125
0.4 Seconds Disconnection Time	0.17Ω	0.17Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω
5.00 Seconds Disconnection Time	0.96Ω	0.75Ω	0.60Ω	0.48Ω	0.38Ω	0.30Ω	0.24Ω	0.19Ω

LOADLINE G FRAME MAXIMUM EARTH LOOP IMPEDANCES FOR SINGLE POLE MCCBS Zs (ohms) for Uo = 240V~

Current Rating (A)	25	32	40	50	63	80	100	125
0.4 Seconds Disconnection Time	0.43Ω	0.43Ω	0.27Ω	0.27Ω	0.27Ω	0.27Ω	0.17Ω	0.17Ω
5.00 Seconds Disconnection Time	0.96Ω	0.75Ω	0.60Ω	0.48Ω	0.38Ω	0.30Ω	0.24Ω	0.19Ω





Tolerance on instantaneous current values $\pm 10\%$.