

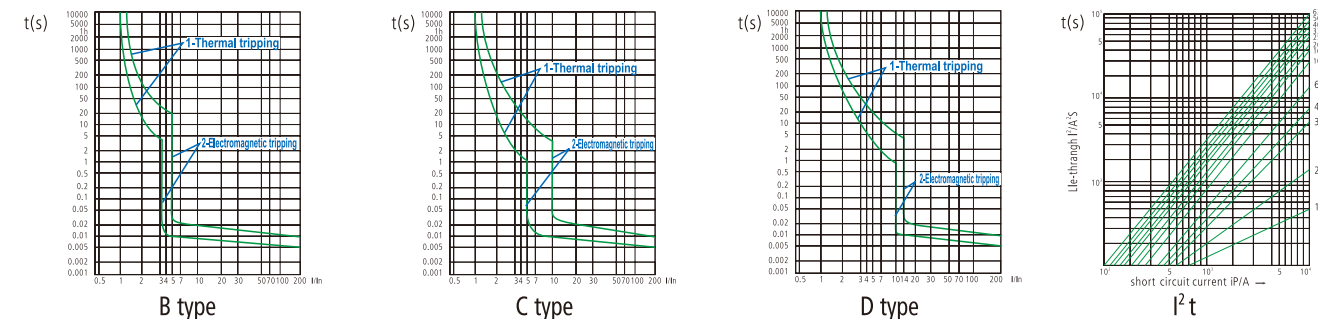


MGB Series Miniature Circuit Breaker

Application

Standard	Confirming to IEC60898, IEC60947-2
Protection	Against overload and short circuit
Rated current In	0.5, 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A
Rated voltage	1-pole 230/400V AC 50/60Hz 2, 3, 4-pole 400V AC 50/60Hz Rated insulation voltage Ui: 500V Rated impulse withstand voltage Uimp: 6000V Energy limiting class: 3
Ambient temperature	-5°C to +40°C pursuant to IEC60898
Breaking capacity	4.5kA, 6kA
Characteristic	thermal operating limit: (1.13-1.45) x In magnetic operating: B: (3-5) x In C: (5-10) x In D: (10-20) x In
Number of poles	1P, 1P+N, 2P, 3P+N and 4P
Type of trip	Thermal / magnetic release
Type of terminal	Pin type
Terminal capacity	16mm ² flexible or 25mm ² rigid up to 25A ratings 25mm ² flexible or 35mm ² rigid for 32A to 63A ratings
Degree of protection	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole

1. Curves



2. Life(operations)

Category	Operations	Operation frequency	Rated current
Electric life	4000	240/h	0.5~32
		120/h	40~63
Mechanical life	10000	240/h	0.5~63

3. Please refer to table below for temperature compensation correction

In A	Temperature compensation coefficient under various operational temperature								
	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
1~6	1.20	1.14	1.09	1.05	1.00	0.96	0.80	0.75	0.70
10~32	1.18	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84
40~60	1.16	1.12	1.08	1.03	1.00	0.9	0.87	0.83	0.80

4. Wiring

The suitable conductors should be used for connection, see table for relative parameters.

In A	Cross section area S (mm ²)	Tightening torque (N.m)
1~6	1	2
10	1.5	2
15 (16), 20	2.5	2
25	4	2
32	6	2
40, 50	10	2
60 (63)	16	2

5. Features

The breaker is characterized by compact design, lightweight, elegant appearance, high breaking capacity, swift releasing long service life..

6. Overall and Mounting Dimensions

