

General

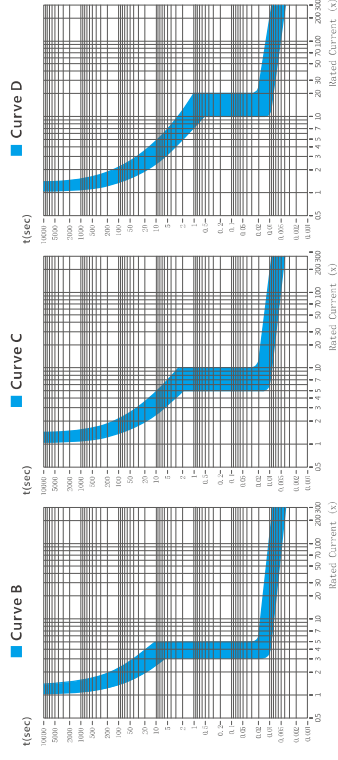
GYM8 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, rated voltage 230V/400V and rated current from 1A to 63A. It also can be used for non-frequent on-and-off switch operation under normal circumstance.

- In compliance with IEC/EN60898-1
- With indicator function in the contact position.
- Transparent cover designed to carry label.
- Bilateral busbar wiring capabilities to adapt to the wider use of premises.
- Maximum connecting ability of 25mm², wiring torque 3N·m, applicable to a variety of installing equipments, wiring stronger

Technical Data

Electrical features	1-63A
Rated current In	1P 2P 3P 4P
Poles	1P, 230/400V~ 2/3/4P;400~
Rated voltage Ue	500V
Insulation voltage Ui	50/60Hz
Rated frequency	4500/6000A
Rated breaking capacity	6kV
Rated impulse withstand voltage(1.2/50) Uimp	2kV
Dielectric test voltage at and ind. freq for 1min	2
Pollution degree	B C D
Thermo-magnetic release characteristic	4000
Electrical life	10000
Mechanical life	
Installation	
Contact position indicator	Yes
Protection degree	IP20
Reference temperature for setting of thermal element	30°C
Ambient temperature (with daily average ≤35°C)	-5~+40°C
Storage temperature	-25~+70°C
Terminal connection type	Cable/U-type busbar/Pin-type busbar
Terminal size top/bottom for cable	25mm ² 18-3
Tightening torque	3.0N·m 22
Mounting	On DIN rail EN 60715 (35mm) by means of fast dp device
Connection	Top and bottom
Combination with accessories	
Auxiliary contact	Yes
Alarm contact	Yes
Shunt release	Yes
Under voltage release	Yes

Characteristics Curve



Temperature compensation

When the ambient temperature is not a benchmark of 30 degrees, the reference correction factor is as follows.

Ambient Temperature	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
Current Correction Coefficient	1.20	1.15	1.11	1.08	1.04	1.00	0.96	0.92	0.88

Connection

Rated current In	Nominal Section Area of Copper Wire (mm ²)
1-6A	1
10A	1.5
16, 20A	2.5
25A	4
32A	6
40, 50A	10
63A	16

Overall and mounting dimensioned chart

