

GYM2 Series MCB

General

GYM2 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, reted 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.

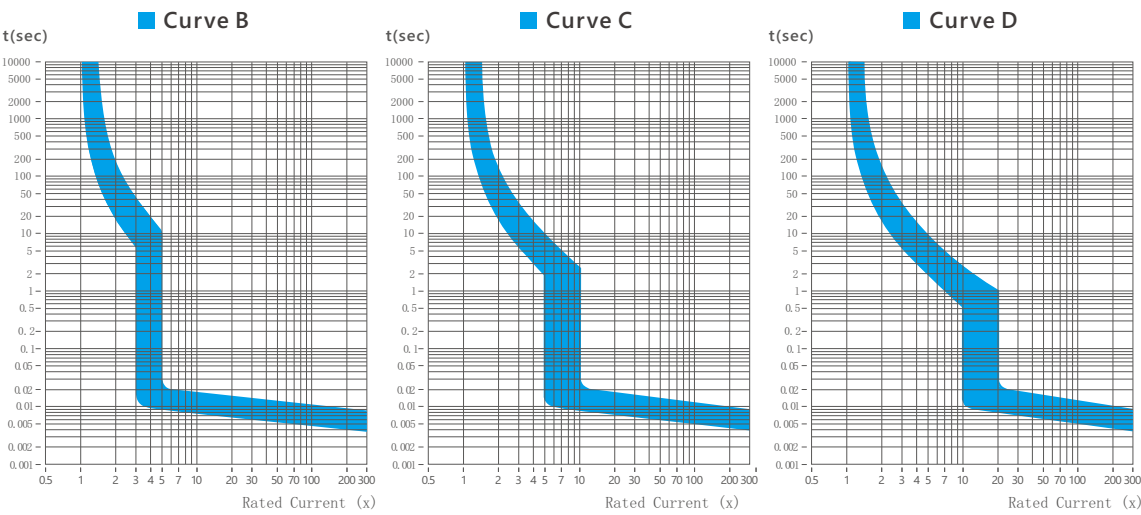
- In compliceance with IEC/EN60898-1
- With indicator function in the contact position.
- Single busbar design.
- Maximum connecting ability of 25mm², wiring torque 3N*m, applicable to a variety of installing equipments, wiring stronger.
- The price-quality ratio is very high.

Technical Date

Electrical features	
Rated current In	1-63A
Poles	1P 2P 3P 4P
Rated voltage Ue	1P: 230/400V~ 2/3/4P:400~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated breaking capacity	4500/6000A
Rated impulse withstand voltage(1.2/50) Uimp	6kV
Dielectric test voltage at and ind. freq.for 1min	2kV
Polution degree	2
Thermo-magnetic release characteristic	B C D
Electrical life	4000
Mechanical life	10000
Installation	
Contact position indicator	Yes
Portection 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 connertion 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 FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom
Combination with accessories	
Auxillary contact	Yes
Alarm contact	Yes
Shunt release	Yes
Under voltage release	Yes

IEC/EN 60898-1 Ics=4.5/6kA

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	1.25	1.2	1.15	1.10	1.05	1.00	0.95	0.90	0.85

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

