

4.5KA
Breaking capacity

Miniature Circuit Breaker

IEC/EN 60947-2, GB/T 14048.2



GYM10H-DC



The GYM10H DC circuit breaker is designed for DC circuits with rated voltage up to 1000V and rated current up to 63A, providing overload and short-circuit protection, and can also be used for infrequent circuit switching operations. This breaker is suitable for DC system applications such as telecommunications and photovoltaic (PV) systems.

- ✓ Compliant with environmental RoHS 2.0
- ✓ Dual flow discharge wiring function
- ✓ Contact position indication function
- ✓ Wiring capacity: (0.5-25) mm²



Product Model And Implication

GYM10H	-	DC
Product model		
MCB		Direct-Current

Technical Specification

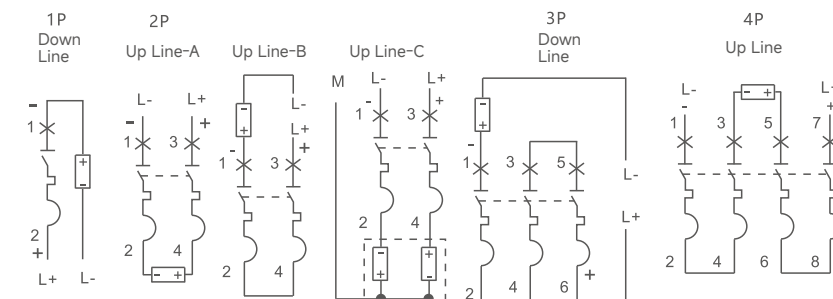
✓ Rated Current(In):	6、10、16、20、25、32、40、50、63A	✓ Tripping Curves:	B:(6±20%)In、C:(8.5±20%)In、D:(12±20%)In
✓ Rated Voltage(Ue):	1P:250VDC;2P:500VDC;3P:750VDC;4P:1000VDC	✓ Breaking Capacity:	4.5kA
✓ Rated insulation voltage:	500V	✓ Poles:	1P、2P、3P、4P
✓ Rated impulse withstand voltage (Uimp):	4KV	✓ Mechanical life:	20000 times
		✓ Electrical life:	4000 times
		✓ Tightening moment:	2.0N.m
		✓ Class of protection:	IP20

Temperature Compensation

When the ambient temperature is not the baseline temperature of 30°C, the reference Correction coefficient 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 Factor	1.25	1.2	1.15	1.10	1.05	1.00	0.95	0.90	0.85

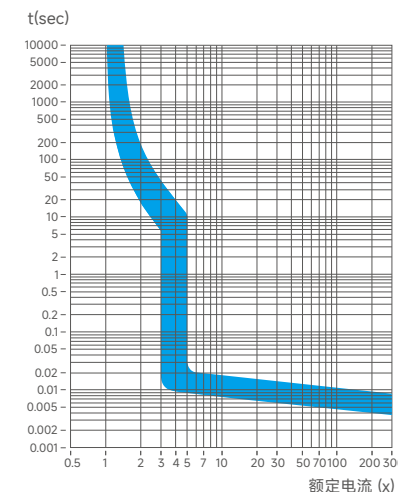
Wiring diagram



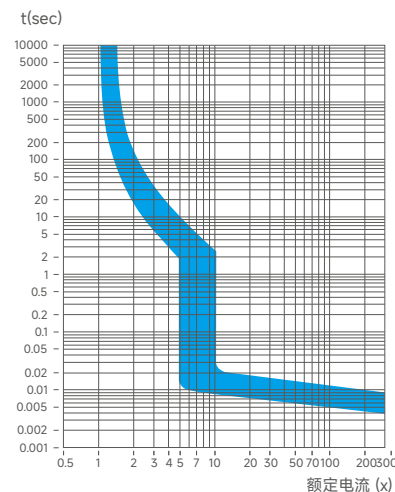
Remark:
1 L+:Positive Pole, L-:Negative Pole;
2 +: MCB of positive pole, -: MCB of negative pole;
3 : Load;
4 DC power supply usually "L-" ground lead, Neutral pole of positive and negative power supply system "M" ground lead;

Tripping Curves

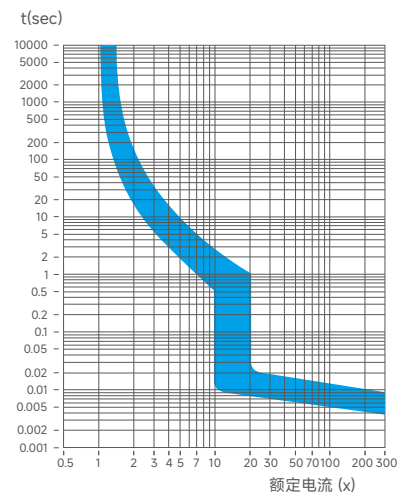
B Type



C Type



D Type



Outline Overall And Installing Dimensions

