



10KA
Breaking Capacity

DC Circuit Breaker

Compliant with standards: IEC/EN 60947-2 GB/T 14048.2



GYM9H-63-zw



The GYM9H-63-zw DC circuit breaker is suitable for DC lines with a rated voltage up to 1200V and a rated current up to 63A. It is used for overload and short-circuit protection, and can also be used for infrequent operation and conversion of lines. It is applicable to DC system application scenarios such as communications and photovoltaics.

- ✔ Compliant with RoHS 2.0 environmental standards
- ✔ Built-in shorting bar connection
- ✔ DC non-polarity
- ✔ Contact position indication function
- ✔ Wiring capacity: (0.5-16)mm²



Product Model and Its Meanings

GYM9H-63-	zw
Product Model	
Miniature Circuit Breaker (MCB)	Non-polar DC

Technical Parameters

Technical Parameters	Parameter Value
Rated Current (In)	1、2、3、4、6、10、16、20、25、32、40、50、63A
Rated Voltage (Ue)	1P:300VDC;2P:600VDC;3P:900VDC;4P:1200VDC
Rated Insulation Voltage (Ui)	1200V
Number of Poles	1P、2P、3P、4P
Tripping Curve	B、C、D
Breaking Capacity	6kA、10kA
Mechanical Life	20000次
Electrical Life	1500次
Tightening Torque	2.0N.m
Protection Class	Ip20
Mounting Method	TH35-7.5 Type Standard Guide Rail

Temperature Compensation

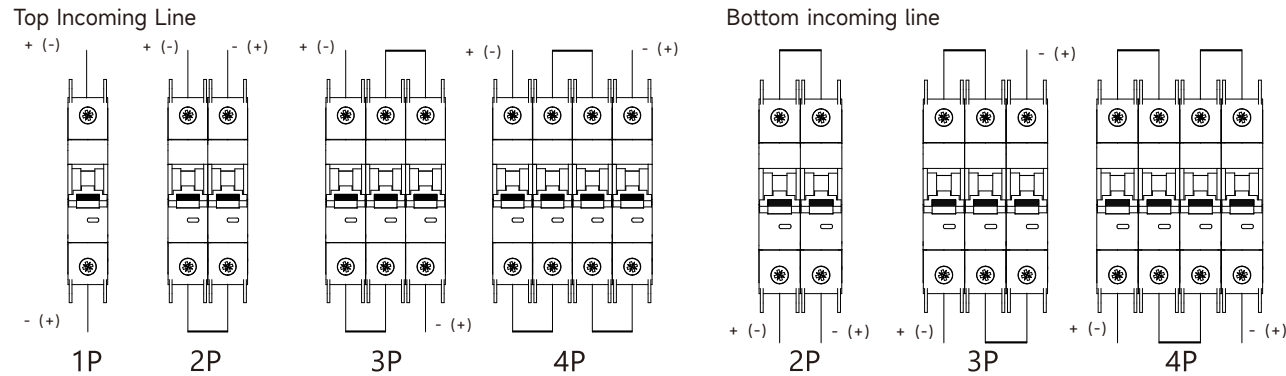
When the ambient temperature is not the reference temperature of 30°C, the reference correction coefficients are as follows:

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

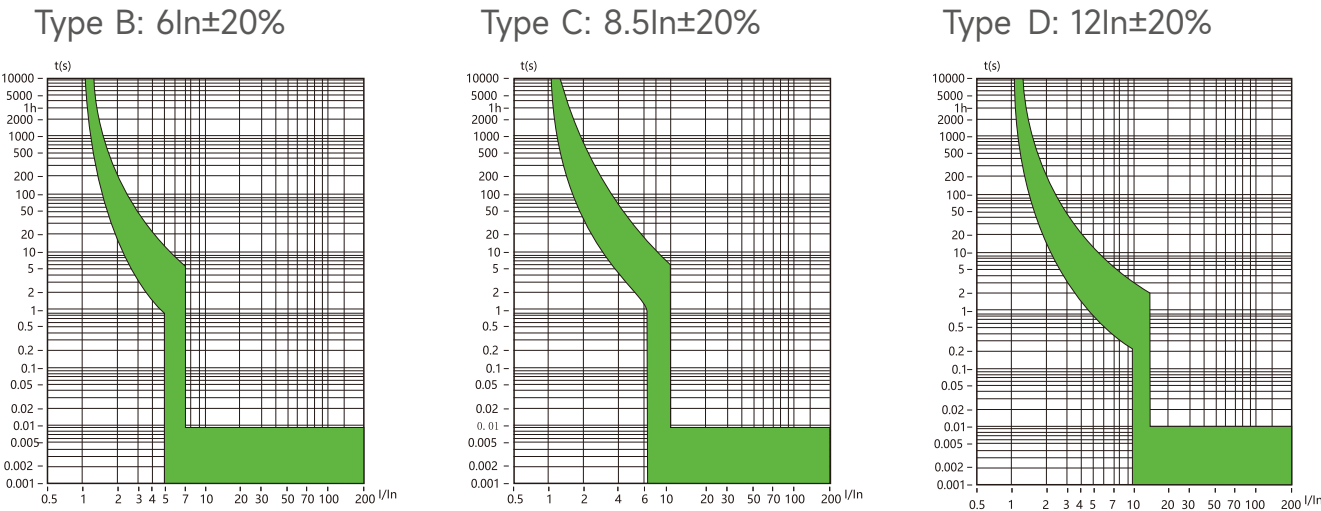
Tripping Characteristics

Tripping Type	Current (A)	Initial state	Start Time	Expected Result	Reference Temperature
B、C、D	1.05In	Cold state	$t \geq 1h (In \leq 63)$	No tripping	30°C
	1.3In	Hot state	$t \leq 1h (In \leq 63)$	Tripping	
	2.55In	Cold state	$1s < t < 120s$	Tripping	

Wiring Diagram



Tripping Curve



Overall Dimensions and Installation Dimensions (mm)

