

GYM9H-125 MCCB

●Functions and Applications

Overload, short circuit, isolation; Circuit breaker is suitable for industrial, commercial, high-rise and civil residential and other occasions.

●Product Feature

The GYM9H-125 series consists of plastic shell, operating mechanism, contact arc extinguishing system, trip mechanism, etc. The shell is made of special plastic with high flame retardant and high strength (DSM), which has strong impact resistance and light weight. The parts of the circuit breaker operating mechanism are made of high-strength plastic products and stainless steel materials, which ensures the lowest moment of inertia while ensuring sensitivity and reliability, so that the time from the short circuit fault to the tripping mechanism is very short. The trip mechanism consists of two parts: bimetal overload reverse time trip mechanism and short circuit transient electromagnetic mechanism. The contact arc extinguishing system adopts special arc leading Angle and arc extinguishing chamber, has remarkable current limiting characteristics, and the breaking capacity is up to 10kA.

The mechanical life of the circuit breaker is more than 10,000 times, and the electrical life is up to 6,000 times.

●Technical Specification

Standard: IEC/EN60947-2、GB/T 14048.2

rated Current (In) : 10、16、20、25、32、40、50、63、80、100、125

Rated Voltage (Ue) : 1P:23/400V~;2P-4P:400V

Working Frequency: 50/60Hz

Tripping Curves: C、D

Breaking Capacity: 15kA (10A-63A) , 10kA (80A-125A)

Poles: 1P、2P、3P、4P

●Temperature Compensation

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

Ambient Temperature	-20℃	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	60℃
Current Correction Factor	1.25	1.2	1.15	1.10	1.05	1.00	0.95	0.90	0.85

●performance characteristic

Tripping Curves	Test current (A)	initial condition	time (30℃)	result
C(8.5In±20%) D(12In±20%)	1.05In	cold state	t≥1h(In≤63) , t≥2h(63≤In≤125)	No tripping
	1.30In	thermal state	t<1h(In≤63) , t<2h(63≤In≤125)	Tripping
	3.0In	cold state	1s<t<120s	Tripping

●Outline Overall And Installing Dimensions

