

Miniature Circuit Breaker

IEC60898-1, GB10963.1

IEC/EN60898-1, IEC/EN10963.1

GYM9N MCB

Scope of application

GYM9N miniature circuit breaker is mainly used for overload and short circuit protection in AC voltage 50 Hz / 60 Hz, rated voltage 240 V, and rated current up to 40A. It can also be used for normal switching operations with infrequent switching. It's suitable for various places such as industrial, commercial, high-rise and residential buildings.

Compliant with: IEC60898-1, GB10963.1



Technical Parameter

Electrical Characteristics						
Poles	Rated current (In)	Rated voltage (Ue)	Rated insulation voltage (Ui)	Rated frequency	Dielectric test voltage	Trip method
1P+N	6~40A	240V	400V	50/60Hz	2000V/1min	Thermal magnetic trip
Rated impulse withstand voltage (Uimp)	Rated breaking capacity (Icn)	Operating breaking capacity (Ics)	Thermo-magnetic release characteristic			
			B:(3~5)In	C:(5~10)In	D:(10~16)In	
4kV	6kA	6kA	■	■	■	

Mechanical properties

Mechanical life	Electric life	Protection class		Reference temperature for setting of thermal element	Ambient temperature	Storage temperature
		Direct install	Installed in distribution box			
10000	4000	Ip20	Ip40	30°C	-25°C+60°C	-25°C+70°C

Other characteristics

Wiring size		Contact Status Indication	Fault Indication	Circuit identification	Connection	Assemblable accessories
Copper/Hard Wire	Cord/Hoop Terminals					
1-16mm ²	1-10mm ²	■	—	■	Top and bottom	■

GYM9-125 MCB

Scope of application

GYM 9-125 miniature circuit breaker is suitable for AC 50/60Hz, rated voltage 240V/415V, rated current up to 125A for overload and short circuit protection, and it can also be used for infrequent operation of the line under normal conditions for conversion.

It's suitable for terminal distribution lines in commercial office buildings, residential and general industrial use.

Compliant with: IEC60898-1, GB10963.1



Technical Parameter

Electrical Characteristics						
Poles	Rated current (In)	Rated voltage (Ue)	Rated insulation voltage (Ui)	Rated frequency	Dielectric test voltage	Trip method
1P,2P 3P,4P	40, 63, 80 100, 125A	240/415V	500V	50/60Hz	2000V/1min	Thermal magnetic trip
Rated impulse withstand voltage (Uimp)	Rated breaking capacity (Icn)	Operating breaking capacity (Ics)	Thermo-magnetic release characteristic			
			C:(5~10)In		D:(10~16)In	
4kV	6kA	6kA	C:(5~10)In		D:(10~16)In	

Mechanical properties

Mechanical life	Electric life		Protection class		Reference temperature for setting of thermal element	Ambient temperature	Storage temperature
	240/h(≤below 32A)	120/h (>32A)	Direct install	Installed in distribution box			
10000	4000	2000 (>20A)	Ip20	Ip40	30°C	-25°C+70°C	-25°C+70°C

Other characteristics

Wiring size		Contact Status Indication	Fault Indication	Circuit identification	Connection	Assemblable accessories
Copper/Hard Wire	Cord/Hoop Terminals					
1-50mm ²	1-35mm ²	■	—	—	Top and bottom	■