

GYM9H MCB

Scope of application

GYM9H high breaking small circuit breaker is suitable for AC 50/60Hz, rated voltage 240V/415V, rated current up to 63A for overload and short circuit protection, and it can also be used for infrequent operation conversion of lines under normal conditions .

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

Compliant with : IEC60898-1, GB10963.1, and obtained CE, CB, BV and other certifications.



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                            | 1~63A                         | 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 |                 |                         |                       |
|                                        |                               |                                   | B:(3~5)In                              | C:(5~10)In      | D:(10~16)In             |                       |
| 4kV                                    | 10kA                          | 7.5kA                             | ■                                      | ■               | ■                       |                       |

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 |                                                      |                     |                     |
| 20000           | 20000 (≤20A)      | 6000 (>20A)  | Ip20             | Ip40                          | 30℃                                                  | -25℃+60℃            | -25℃+70℃            |

Other characteristics

| Wiring size         |                     | Contact Status Indication | Fault Indication | Circuit identification | Connection     | Assemblable accessories |
|---------------------|---------------------|---------------------------|------------------|------------------------|----------------|-------------------------|
| Copper/Hard Wire    | Cord/Hoop Terminals |                           |                  |                        |                |                         |
| 1-25mm <sup>2</sup> | 1-16mm <sup>2</sup> | ■                         | —                | ■                      | Top and bottom | ■                       |

GYM9H-Z MCB

Scope of application

GYM9H-Z DC circuit breaker is used for DC voltage up to 600V, rated current up to 63A for overload and short circuit protection, and it can also be used for infrequent operation and conversion of the line. The circuit breaker is used in DC panels, energy storage devices, etc. DC non-polar applications.

Compliant with: GB 14048.2, IEC 60947-2, IEC 60947-2 Annex P

Product Features: double busbars, transparent logo, quick closing function and independent appearance patent.



Technical Parameter

| Electrical Characteristics             |                               |                                   |                       |                                        |           |
|----------------------------------------|-------------------------------|-----------------------------------|-----------------------|----------------------------------------|-----------|
| Poles                                  | Rated current (In)            | Rated voltage (Ue)                |                       |                                        |           |
|                                        |                               | 1P                                | 2P                    | 3P                                     | 4P        |
| 1P、2P、3P、4P                            | 1~63A                         | 48、60、125、150V DC                 | 110、125、250、300V DC   | 450V DC                                | 600V DC   |
| Rated impulse withstand voltage (Uimp) | Rated breaking capacity (Icn) | Operating breaking capacity (Ics) | Trip method           | Thermo-magnetic release characteristic |           |
|                                        |                               |                                   |                       | B                                      | C         |
| 6kV                                    | 6kA                           | 6kA                               | Thermal magnetic trip | 5.5In±20%                              | 8.5In±20% |

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 |                                                      |                     |                     |
| 20000           | 2500 (≤20A)       | 1500 (>20A)  | Ip20             | Ip40                          | 30℃                                                  | -25℃+60℃            | -25℃+70℃            |

Other characteristics

| Wiring size         |                     | Contact Status Indication | Fault Indication | Circuit identification |
|---------------------|---------------------|---------------------------|------------------|------------------------|
| Copper/Hard Wire    | Cord/Hoop Terminals |                           |                  |                        |
| 1-25mm <sup>2</sup> | 1-16mm <sup>2</sup> | ■                         | —                | ■                      |