INNOFLOW

MINIATURE CIRCUIT BREAKER(MCB)

# GYM9-6KA

## Series overview

Miniature Circuit Breaker(MCB) for electrical distribution and control applications.

Select the exact rating, pole arrangement and operating configuration for the application.




## Specification summary

| | |
|---|---|
| Rated current | Up to 63 A |
| Rated voltage | 230 / 400 V AC |
| Frequency | 50 / 60 Hz |
| Breaking-capacity series | 6 kA |
| Pole configurations | 1P-4P |

### Technical information

Selected dimension and connection drawings follow. Match each drawing to its stated frame and pole configuration.

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**DIMENSIONS & TECHNICAL REFERENCE**

## 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 magneti 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 |
|---|---|---|---|---|---|---|---|
| | 240/h(≤below 32A) | 120/h (>32A) | Direct install | Installed in distribution box | | | |
| 20000 | 10000 (≤20A) | 6000 (>20A) | Ip20 | Ip40 | 30°C | -25°C+40°C | -25°C+0°C |

### Other characteristics

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

Use the stated units and configuration. Drawings are reproduced from the authorized technical source.