



### General

GYM16 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, rated voltage 240V/415V and rated current from 1A to 125A. It also can be used for non-frequent on-and-off switch operation under normal circumstance.

- ▲ In compliance with IEC/EN60947.2
- ▲ Maximum connecting ability of 50mm<sup>2</sup>, wiring torque 3N\*m, applicable to a variety of installing equipments, wiring stronger

### Technical Date

#### Electrical features

Rated current I <sub>n</sub>	63 - 125A
Poles	1P 2P 3P 4P
Rated voltage U <sub>e</sub>	1P: 240/415V~ 2/3/4P:415V~
Insulation voltage U <sub>i</sub>	500V
Rated frequency	50/60Hz
Rated breaking capacity	I <sub>cu</sub> =I <sub>cs</sub> =6000A
Rated impulse withstand voltage(1.2/50) U <sub>imp</sub>	6kV
Dielectric test voltage at and ind. freq.for 1min	2kV
Polution degree	2
Thermo-magnetic release characteristic	(8-12) I <sub>n</sub>
Electrical life	4000
Mechanical life	10000

### Installation

Contact position indicator	Yes
Portection degree	IP20
Reference temperature for setting of thermal element	40°C
Ambient temperature (with daily average ≤35°C)	-5~+40°C
Storage temperature	-25~+70°C
Terminal connertion type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	50mm <sup>2</sup> 18-1/0
Tightening torque	3.5N*m 31
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

### Overall and mounting dimensioned chart

