General

GYM16 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, reted 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.

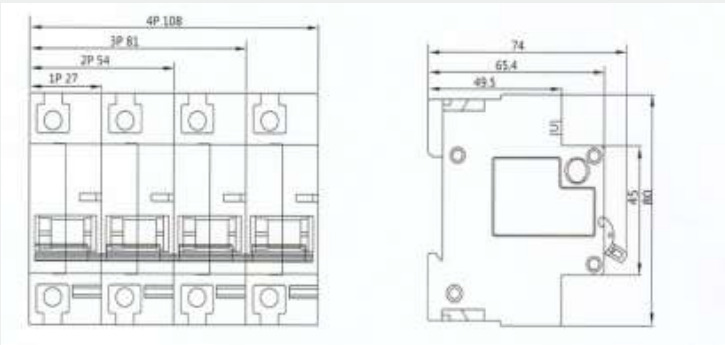
- ▲In complicance with IEC/EN60947.2
- ▲Maximum connecting ability of 50mm^2, wiring torque 3N*m, applicable to a variety of installing equipments, wiring stronger

Technical Date

Electrical features

Rated current In	63 -125A
Poles	1P 2P 3P 4P
Rated voltage Ue	1P: 240/415V~ 2/3/4P:415V~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated breaking capacity	Icu=Ics=6000A
Rated impulse withstand voltage(1.2/50) Uimp	6kV
Dielectric test voltage at and ind. freq.for 1min	2kV
Polution degree	2
Thermo-magnetic release characteristic	(8-12) In
Electrical life	4000
Mechanical life	10000

Installation

Contact position indicator	Yes
Portection degree	IP20
Reference temperature for setting of thermal element	40℃
Ambient temperature (with daily average ≤35℃)	-5~+40℃
Storage temperature	-25~+70℃
Terminal connertion type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	50mm^2 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