



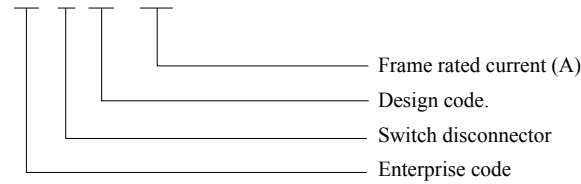
## TGH1N-125 Series Residual Current Circuit Breaker

### 1 Product overview

TGH1N-125 switch disconnector is mainly used in the AC 50/60Hz control and power distribution circuit in 230V(1P) and 400V(2P,3P,4P), and rated current to 125A. As the main switch in the terminal composite apparatus, it is also used for the infrequent control of various small-power electrical apparatus and lighting, and widely used in many places such as industrial and mining enterprises, high-rise buildings, business, and household.

### 2 Type designation

**TG H 1N - 125**



### 3 Product parameters

#### 3.1 The main technical parameters of the product (see Table 1)

Table 1

Product name	TGH1N-125
Standards	IEC60947-3
Certificate	CE
<b>Electrical characteristics</b>	
Number of poles	1P、2P、3P、4P
Rated frequency (Hz)	50/60
Frame rated current (A) Inm	125
Rated current (A) Ie	32、63、100、125
Rated voltage (V) Ue	AC230(1P) AC400(2P、3P、4P)
Rated insulation voltage (V) Ui	690
Rated impulse withstand voltage (kV) Uimp	6
Rated short-time withstand current (kA) Icw	12Ie/1s
Rated short-circuit making capacity (kA) Icm	20Ie/0.1s
Rated making and breaking capacity (kA) Icm	3Ie
Pollution level	3
Electrical and mechanical accessories	-
<b>Mechanical properties</b>	
Electrical life	10000
Mechanical life	20000
Protection grade	IP20
<b>Normal operation conditions and installation characteristics</b>	
Ambient temperature	-35℃～+70℃
Installation altitude	≤2000m
Terminals	Fixed with screws
Maximum wiring capacity (mm <sup>2</sup> )	50
Maximum limit torque (Nm)	3.5
Installation category	Class III
Installation method	35mm standard rail
Incoming method	Upper and lower

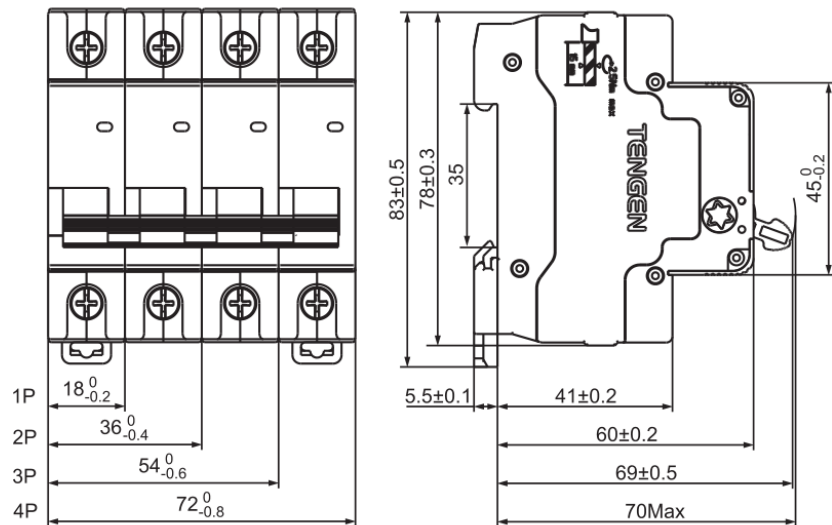
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**3.2 Wiring:** Suitable for wire connection of 50mm<sup>2</sup> and below (see Table 3). The wiring method is that the wire is fixed with screws according to the tightening torque 3.5N·m.

Table 2

Rated current (A)	Cross area of wire (mm <sup>2</sup> )
20	2.5
25	4
32	6
40	10
50	10
63	16
80	25
100	35
125	50

### 4 Installation dimensions



### 5 Order Information

- 5.1 Product model and name, such as: TGH1N-125 switch disconnecter
- 5.2 Number of poles of the product, such as 2P
- 5.3 Rated current, such as 100A
- 5.4 Order quantity, such as: 50 units
- 5.5 Order example: TGH1N-125 2P 100, 50 units