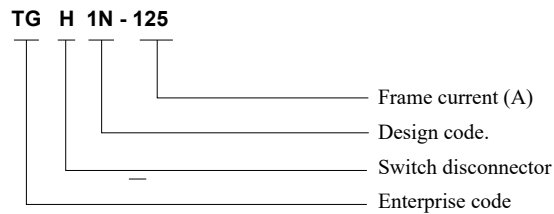


TGH1N-125 Series Switch Disconnecter

1 Overview

TGH1N-125 switch disconnecter 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



3 Technical Parameters

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

Table 1

Product name	TGH1N-125
Standard	IEC60947-3
Certificate	CE
Electrical characteristics	
Number of poles	1P, 2P, 3P, 4P
Rated frequency (Hz)	50/60
Frame current (A) Inm	125
Rated current (A) Ie	20, 25, 32, 40, 50, 63, 80, 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 degree	3
Electrical and mechanical accessories	-
Mechanical properties	
Electrical life	10,000 times
Mechanical life	20,000 times
Protection grade	IP20
Normal operation conditions and installation characteristics	
Ambient temperature	-35°C ~ +70°C
Installation altitude	≤ 2,000 meters
Terminals	Fixed with screws
Maximum wiring capacity (mm ²)	50
Maximum limit torque (Nm)	2.5 (20-63A) 3.5 (80-125A)
Installation category	Class III
Installation method	TH35-7.5 standard rail
Incoming method	Top inlet and bottom inlet

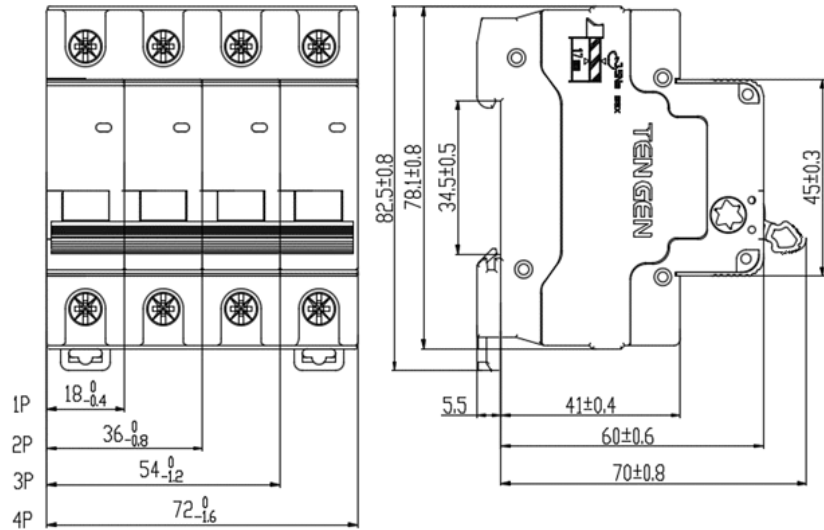
TGH1N-125 Series Switch Disconnecter

3.2 Wiring: Suitable for wire connection of 50mm^2 and below (see Table 3). Wiring connection adopt the screw pressing method, with the torque of $2.5\text{N}\cdot\text{m}$ (20-63A) and with the torque of $3.5\text{N}\cdot\text{m}$ (80-125A).

Table 2

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

4 Outline and Installation Dimensions



5 Ordering Notice

- 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