

TG-125H Series Miniature Circuit Breaker

Technical data

| | | |
|------------------------------------|---|--|
| Standard | EN/ IEC60898-1, EN/ IEC60947-2 | |
| Breaking capacity | 6kA | 10kA |
| Protection | Against overload and short circuit | |
| Rated current I_n | 40, 50, 63,80, 100, 125A | |
| Rated voltage | 1 pole 240V AC 50/60Hz 2,3,4pole 415V AC 50/60Hz | |
| Characteristic | | IEC60898-1 IEC60947-2 |
| | Thermal operating limit: | (1.13-1.45)xI _n (1.05-1.30)xI _n |
| | Magnetic operating: | B: (3-5)xI _n (8-12)xI _n C: (5-10)xI _n D: (10-20)xI _n |
| | | |
| Number of poles | 1P,2P,3P,4P | |
| Type of trip | Thermal / magnetic release | |
| Type of terminal | Pin type | |
| Terminal capacity | Flexible cables: 1.5 to 35mm ² Rigid cables: 1 to 50mm ² | |
| Installation | Mounting on 35mm DIN rail | |
| Width | 27mm per pole | |



TG-125H

TG-125H MCB

| Rated current(A) | IEC60898-1 | | | IEC60947-2 | Packing unit |
|------------------|----------------|----------------|----------------|---------------|--------------|
| | B curve | C curve | D curve | | |
| 40 | TG-125H/1-B40 | TG-125H/1-C40 | TG-125H/1-D40 | TG-125H/1-40 | 12 |
| 50 | TG-125H/1-B50 | TG-125H/1-C50 | TG-125H/1-D50 | TG-125H/1-50 | 12 |
| 63 | TG-125H/1-B63 | TG-125H/1-C63 | TG-125H/1-D63 | TG-125H/1-63 | 12 |
| 80 | TG-125H/1-B80 | TG-125H/1-C80 | TG-125H/1-D80 | TG-125H/1-80 | 12 |
| 100 | TG-125H/1-B100 | TG-125H/1-C100 | TG-125H/1-D100 | TG-125H/1-100 | 12 |
| 125 | TG-125H/1-B125 | TG-125H/1-C125 | TG-125H/1-D125 | TG-125H/1-125 | 12 |
| 40 | TG-125H/2-B40 | TG-125H/2-C40 | TG-125H/2-D40 | TG-125H/2-40 | 6 |
| 50 | TG-125H/2-B50 | TG-125H/2-C50 | TG-125H/2-D50 | TG-125H/2-50 | 6 |
| 63 | TG-125H/2-B63 | TG-125H/2-C63 | TG-125H/2-D63 | TG-125H/2-63 | 6 |
| 80 | TG-125H/2-B80 | TG-125H/2-C80 | TG-125H/2-D80 | TG-125H/2-80 | 6 |
| 100 | TG-125H/2-B100 | TG-125H/2-C100 | TG-125H/2-D100 | TG-125H/2-100 | 6 |
| 125 | TG-125H/2-B125 | TG-125H/2-C125 | TG-125H/2-D125 | TG-125H/2-125 | 6 |
| 40 | TG-125H/3-B40 | TG-125H/3-C40 | TG-125H/3-D40 | TG-125H/3-40 | 4 |
| 50 | TG-125H/3-B50 | TG-125H/3-C50 | TG-125H/3-D50 | TG-125H/3-50 | 4 |
| 63 | TG-125H/3-B63 | TG-125H/3-C63 | TG-125H/3-D63 | TG-125H/3-63 | 4 |
| 80 | TG-125H/3-B80 | TG-125H/3-C80 | TG-125H/3-D80 | TG-125H/3-80 | 4 |
| 100 | TG-125H/3-B100 | TG-125H/3-C100 | TG-125H/3-D100 | TG-125H/3-100 | 4 |
| 125 | TG-125H/3-B125 | TG-125H/3-C125 | TG-125H/3-D125 | TG-125H/3-125 | 4 |
| 40 | TG-125H/4-B40 | TG-125H/4-C40 | TG-125H/4-D40 | TG-125H/4-40 | 3 |
| 50 | TG-125H/4-B50 | TG-125H/4-C50 | TG-125H/4-D50 | TG-125H/4-50 | 3 |
| 63 | TG-125H/4-B63 | TG-125H/4-C63 | TG-125H/4-D63 | TG-125H/4-63 | 3 |
| 80 | TG-125H/4-B80 | TG-125H/4-C80 | TG-125H/4-D80 | TG-125H/4-80 | 3 |
| 100 | TG-125H/4-B100 | TG-125H/4-C100 | TG-125H/4-D100 | TG-125H/4-100 | 3 |
| 125 | TG-125H/4-B125 | TG-125H/4-C125 | TG-125H/4-D125 | TG-125H/4-125 | 3 |



1P



2P

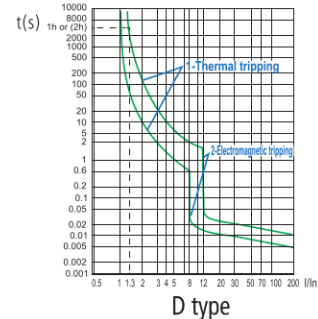
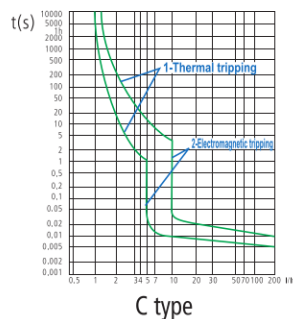
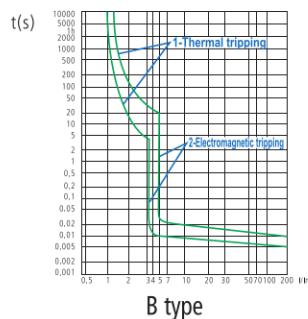
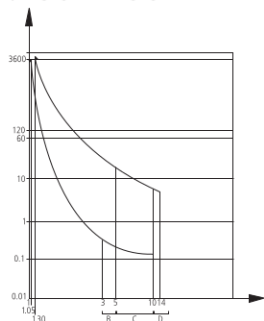


3P



4P

1. Curves



53

2. Breaking capacity

| Type | Voltage | Breaking capacity I _{cn} (A) | Standard |
|----------|---------|---------------------------------------|------------|
| 1P | 230/240 | 10000 | IEC60947-2 |
| 2P,3P,4P | 230/240 | 10000 | |
| | 400/415 | 10000 | |

3. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

| Rated current I _n (A) | Nominal cross section area s (mm ²) | Tightening torque (N.m) |
|----------------------------------|---|-------------------------|
| 63 | 16 | 3.5 |
| 80 | 25 | 3.5 |
| 100 | 35 | 3.5 |
| 125 | 50 | 3.5 |

4. Features

1. High rated short-circuit breaking capacity up to 10000A on IEC60947-2 / IEC60898-1 standard.
2. Service life of product has been greatly enhanced through special designed tripping mechanism.
3. Long-time and reliable operation.
4. Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties.
5. Compact and modularized design.
6. Convenient mounting.
7. A wide range of RCD and RCBO.
8. Full sets of additional components and full sets of accessories.

5. Overall and mounting dimensions

