



Character

Test	Type	Test Current	Initial State	Trip or non-trip time	expected result
a	C	1.05I _n	Cold state	t ≤ 1h	No Trip
b	C	1.3I _n	followed by experiment a	t < 1h	Trip
c	C	2.55I _n	Cold state	1s < t < 60s (I _n ≤ 32A) 1s < t < 120s (I _n > 32A)	Trip
d	C	8I _n	Cold state	t ≤ 0.2s	No Trip
e	C	12I _n	Cold state	t < 0.2s	Trip

Function

- Protect function: Overload, short circuit

Technical specification

- Standard: IEC/EN60947-2, GB14048.2
- Frame current (I_m) : 80A
- Rated current(I_n) : 32, 40, 50, 63, 80A
- Rated voltage (U_e) : 400V(1P), 800V(2P), 1200V(4P)
- Rated impulse voltage(U_i): 600V
- Pole: 1P, 2P, 4P
- Trip curve: B, C
- Rated impulse withstand voltage (U_{imp}) : 4kV
- Mechanical life: 10000 time
- Electrical life :2000 time
- Rated short-circuit breaking capacity (I_{cu}) : 6, 10kA
- Rated operating breaking capacity (I_{cs}) : 6, 7.5kA

Main feature

- Modular design, maximum rated current up to 125A
- Current limiting contact system, improve product life
- Unique shape, breaking capacity up to 10kA
- The shell and key parts are made of flame retardant, high temperature and impact resistant plastics

Normal Operating Conditions and Installation Condition

- The ambient air temperature:-5~+40°C , Average not more than +35°C within 24 hours
- Altitude(m):Not exceed 2000 meters
- Protection degree:IP20
- Mounting: On Din rail TH35-7.5 mounting rail installation

Copper wire connection

Rated current(I _n)	Copper wire connection (mm ²)
6A	1
10, 13A	1.5
16, 20A	2.5
25A	4
32A	6
40A	10
50, 63	16
80A	25
100A	35
125A	50

Dimensions

