



### Function

The product ensures reliable action against sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000Hz), pulsed DC residual current, and smooth DC residual current, whether applied suddenly or increased slowly.

### Technical specification

- Standard: IEC62423, IEC61009.1, GB22794, GB16917.1
- Frame current (I<sub>m</sub>) : 80A
- Rated current(I<sub>n</sub>) : 6, 10, 16, 25, 32, 40, 50, 63, 80A
- Rated voltage (U<sub>e</sub>) : 230V(1P+N), 400V(3P+N)
- Rated impulse voltage(U<sub>i</sub>): 500V
- Pole: 1P+N, 3P+N
- Trip curve: B, C
- Rated residual operating current (I<sub>Δn</sub>) : 30, 100, 300mA
- Direct current current flow as sensitivity (I<sub>Δndc</sub>) : 0.5~2 I<sub>Δn</sub>
- Remaining action type: Type B
- Rated impulse withstand voltage (U<sub>imp</sub>) : 4kV
- Mechanical life: 20000 time
- Electrical life : 6000 time
- Rated short-circuit breaking capacity (I<sub>cn</sub>) : 4.5, 6kA

### Main feature

- Modular design, maximum rated current up to 80A
- Both L and N poles have overload protection functions
- More comprehensive leakage protection to maximize reliability and safety

### 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 <sub>n</sub> )	Copper wire connection (mm <sup>2</sup> )
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

### 脱扣特性

项目	类型	试验电流	起始状态	脱扣或不脱扣时间	预期测试结果
a	B, C, D	1.13I <sub>n</sub>	Cold state	t≤1h	No Trip
b	B, C, D	1.45I <sub>n</sub>	followed by experiment a	t<1h	Trip
c	B, C, D	2.55I <sub>n</sub>	Cold state	1s<t<60s(I <sub>n</sub> ≤32A) 1s<t<120s(I <sub>n</sub> >32A)	Trip
d	B	3I <sub>n</sub>	Cold state	t≤0.1s	No Trip
	C	5I <sub>n</sub>			
	D	10I <sub>n</sub>			
e	B	5I <sub>n</sub>	Cold state	t<0.1s	Trip
	C	10I <sub>n</sub>			
	D	15I <sub>n</sub>			

### Dimensions

