



Construction and Feature

- Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation.
- Contact position indication
- Provides protection against indirect contact by human body
- Provides complementary protection against direct contact by human body.
- Effectively protects electric equipment against insulating failure
- Equipped with switched neutral and phase pole
- Provides protection against over-voltage
- Provides comprehensive protection to household and commercial distribution systems.

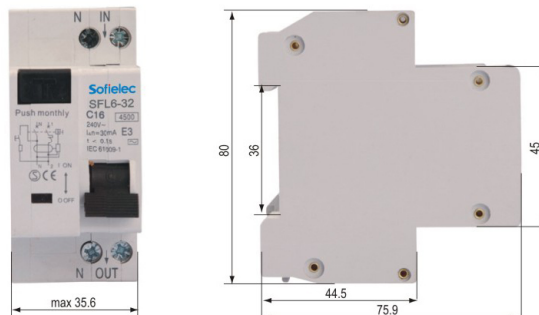
Technical Data

- Type: Electronic type
- Residual current characteristics: AC
- Pole No.: 1P+N
- Tripping curve: B, C, D
- Rated short-circuit capacity: 4.5kA
- Rated current (A): 6, 10, 16, 20, 25, 32
- Rated voltage: 240V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 0.03, 0.1, 0.3
- Tripping duration: instantaneous $\leq 0.1s$
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Terminal Connection Height: H1=16mm H2=21mm
- Over-voltage tripping: $280V \pm 5\%$

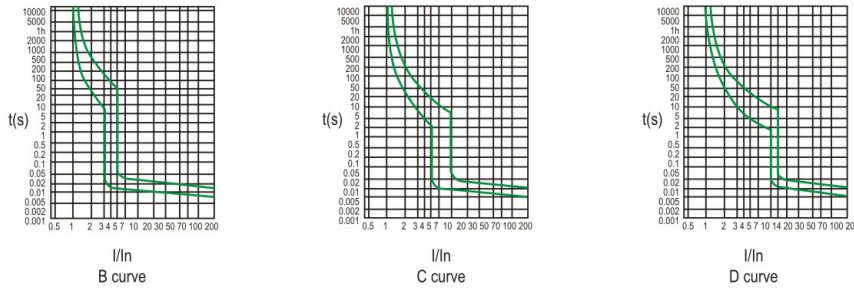
Technical Data

- S2 Shunt Tripper
- U2+O2 Over-voltage and under-voltage tripper
- Connection capacity:
 - Flexible conductor 10mm²
 - Rigid conductor 16mm²
- Installation:
 - On symmetrical DIN rail 35.5mm
 - Panel mounting

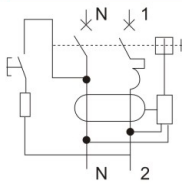
Overall & Installation Dimensions



Characteristic Curve



Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
a	B, C, D	1.13In	cold	$t \leq 1h$	no tripping	
b	B, C, D	1.45In	after test a	$t < 1h$	tripping	Current in the 5s in the increase of stability
c	B, C, D	2.55In	cold	$1s < t < 60s (In \leq 32A)$ $1s < t < 120s (32 < In \leq 63A)$	tripping	
d	B	3In	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
e	B	5In	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	50In				

The terminology “cold state” refers to that no load is carried before testing at the reference setting temperature.

Residual Current Action Breaking Time

type	In/A	I Δ n/A	Residual Current (I Δ) Is Corresponding To The Following Breaking Time (S)					
			I Δ n	2 I Δ n	5 I Δ n	5A, 10A, 20A, 50A, 100A, 200A, 500A	I Δ t	
general type	any value	any value	0.3	0.15	0.04	0.04	0.04	Max Break-time

The general type RCBO whose current I Δ n is 0.03mA or less can use 0.25A instead of 5I Δ n.

A Type Of Trip Current Range

Lagangle(°)	A Tripping Current(A)	
	Lower Limit	Upper Limit
0°	0.35 I Δ n	1.4 I Δ n
90°	0.25 I Δ n	
135°	0.11 I Δ n	