



General

1.1 Function

Control electric circuits.
Protect people against indirect contacts and additional protection against direct contacts.
Protect installations against fire hazard due to insulation faults. Residual current circuit breakers are used in housing, tertiary sector and industry

1.2 Selection

Detectable wave form
B class
Tripping is ensured for sinusoidal AC residual currents pulsed DC residual currents, alternating residual sinusoidal currents up to 1000Hz, pulsating direct residual currents and for smooth direct residual currents, whether applied suddenly or increasing slowly.
Tripping sensitivity
30mA - additional protection against direct contact.
Tripping time
Instantaneous
It ensures instantaneous tripping (without time- delay).

Technical Data



Electrical features	
Type(wave form of the earth leakage sensed)	B
Rated current	16A、 25A、 40A、 63A
Poles	2P 4P
Number of poles versus modules	2P= 4mod;4P=4 mod
Rated voltage Ue	2P:230V~ 4P:400V~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated sensitivity I _{Δn}	0.03A 0.1A 0.3A
Rated residual making and breaking capacity I _m	500(In=25-40A) 630(In=63A)
Short-circuit current I _{nc} =I _{Δc}	10000A
SCPD fuse	10000
Break time under I _{Δn}	≤0.1S
Rated impulse withstand voltage(1.2/50)U _{imp}	6000V
Dielectric test voltage at and ind.Freq.for 1min	2.5kV
Electrical life and Mechanical life	4000
Pollution degree	2
Installation	
Fault current indicator	NO
Protection degree	IP20
Ambient temperature(with daily average≤35℃)	-5~+40℃
Storage temperature	-25+70℃
Terminal connection type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	25mm ² 18-3
Tightening torque	3.5*N m 22
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	From top

Detection Waveform Type and Classification

Waveform definition	Waveform	AC Type	A Type	A-SI Type	B Type	Tripping current
Sinusoidal exchange		✓	✓	✓	✓	0.5~1 I _{Δn}
Pulsating half wave		X	✓	✓	✓	0.5~1.4 I _{Δn}
Pulsating Half wave + direct current (6mA)		X	✓	✓	✓	max1.4I _{Δn} +6mA
Pulsating Half wave + direct current (10mA)		X	X	✓	✓	max1.4I _{Δn} +10mA
High frequency (up to 1KHz)		X	X	X	✓	150Hz,0.5~2.4 I _{Δn}
		X	X	X	✓	400Hz,0.5~6 I _{Δn}
		X	X	X	✓	1000Hz,1~14 I _{Δn}
Two phase rectified full wave		X	X	X	X	0.5~2 I _{Δn}
Three phase rectified full wave						
Direct current						

Connection

Rated current	Nominal Section Area of Copper Wire(mm ²)
1~6A	1
10A	1.5
16、 20A	2.5
25A	4
32A	6
40、 50A	10
63A	16

Mounting & dimension

