



Rated residual action current 0.03 A / 0.1 A / 0.3 A • IEC/EN 61008-1

- Fork and pin busbar connection (top/bottom)
- With leakage fault indication
- Mounting on DIN TH35 rail
- Connection capacity 1–35 mm²
- Recognitions, certifications: CE, RoHS 2.0

RCD residual current circuit breaker is intended for AC 50/60 Hz circuits with a rated voltage of 230 V (2-pole version) or 400 V (4-pole version) and a rated current up to 63 A. A residual current device (RCD) automatically and rapidly disconnects the circuit power supply when the residual (leakage) current exceeds its rated residual operating current (IΔn). In doing so, it provides protection against electric shock. A device with an IΔn ≤ 30 mA also provides supplementary protection against direct contact. It further protects the installation against the effects of leakage currents, including fire. It may also be used for infrequent circuit switching under normal operating conditions.

The circuit breakers are suitable for industrial and commercial applications, as well as high-rise and residential buildings.

Technical Specification

Rated Voltage ($\mathbf{U_n}$)	230/400 V
Rated Current ($\mathbf{I_n}$)	16, 20, 25, 32, 40, 50, 63 A
Rated insulation voltage ($\mathbf{U_i}$)	500 V
Rated impulse withstand voltage ($\mathbf{U_{imp}}$)	4 kV
Rated residual action current ($\mathbf{I_{\Delta n}}$)	0.03 A; 0.1 A; 0.3 A
Poles	1P+N; 3P+N
Residual current action type	AC, A
Working Frequency	50/60 Hz
Rated limit short circuit current ($\mathbf{I_{nc}}$)	6 kA
Rated limit Remaining short circuit current ($\mathbf{I_{\Delta c}}$)	6 kA
Rated on and off capacity ($\mathbf{I_m}$)	500 A ($\mathbf{I_n}$ ≤ 50 A) or 10 × $\mathbf{I_n}$ ($\mathbf{I_n}$ = 63 A)
Rated residual switching and breaking capacity ($\mathbf{I_{\Delta m}}$)	500 A ($\mathbf{I_n}$ ≤ 50 A) or 10 × $\mathbf{I_n}$ ($\mathbf{I_n}$ = 63 A)
Tightening moment	2.5 N·m
Class of protection	IP20
Mounting modes	DIN TH35 rail mounting
Mechanical life	10,000 switching cycles
Electrical life	4,000 switching cycles
Connection capacity	1–35 mm²

Residual leakage current breaking time

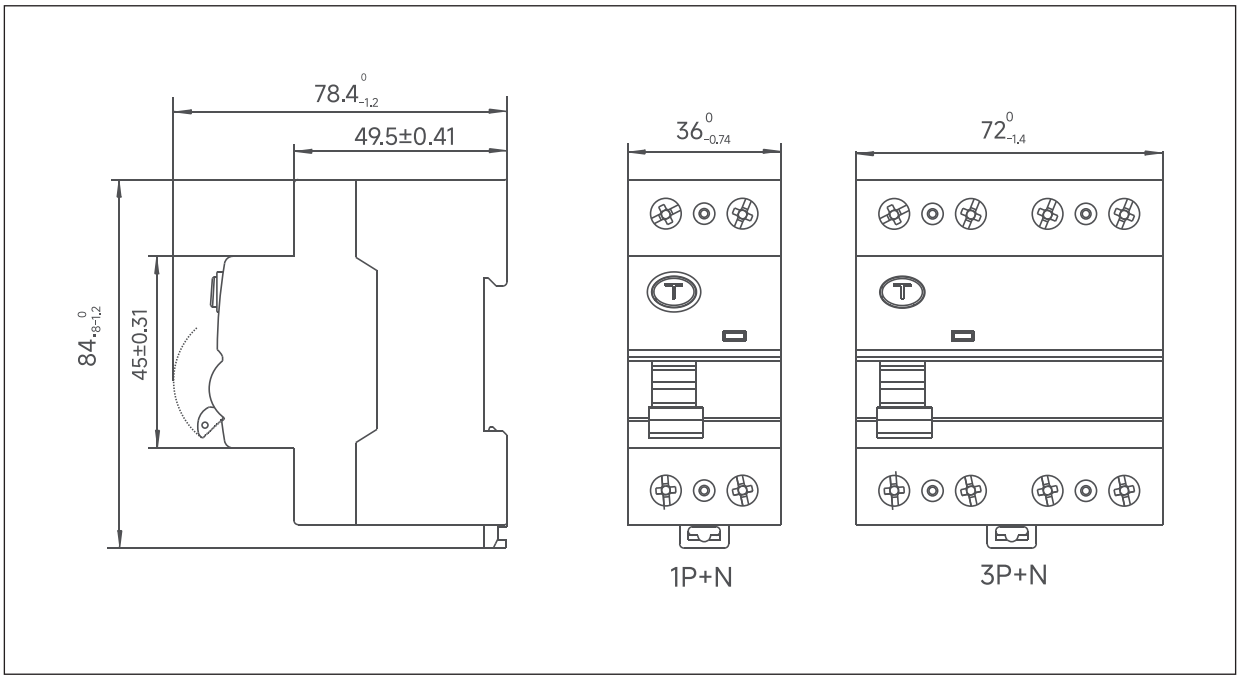
Tripping Type	Rated current $\mathbf{I_n}$ (A)	Rated residual action current $\mathbf{I_{\Delta n}}$ (A)	Residual current breaking time (s)				
			$\mathbf{I_{\Delta n}}$	2 $\mathbf{I_{\Delta n}}$	5 $\mathbf{I_{\Delta n}}$	5 A–200 A	500 A
General Type	16–63	0.03; 0.1; 0.3	≤ 0.1	≤ 0.08	≤ 0.04	≤ 0.04	≤ 0.04
Type S (selective)*			0.13–0.5	0.06–0.2	0.05–0.15	0.04–0.15	0.04–0.15
Type si*			0.09–0.13	0.05–0.15	0.04–0.15	0.04–0.15	0.04–0.15

*Product subject to a request for quotation. Enquire about this product *export@relpol.com.pl*

19.08.2026

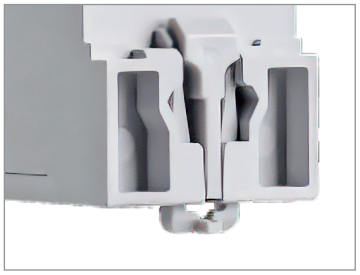
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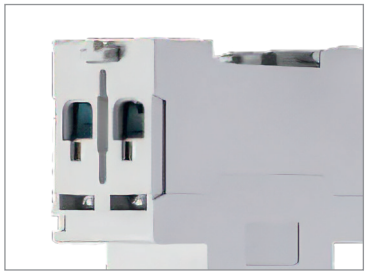
Outline Overall And Installing Dimensions

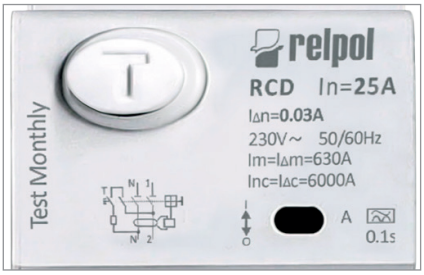


Dimensions are given in millimetres. Mounting width depending on version:

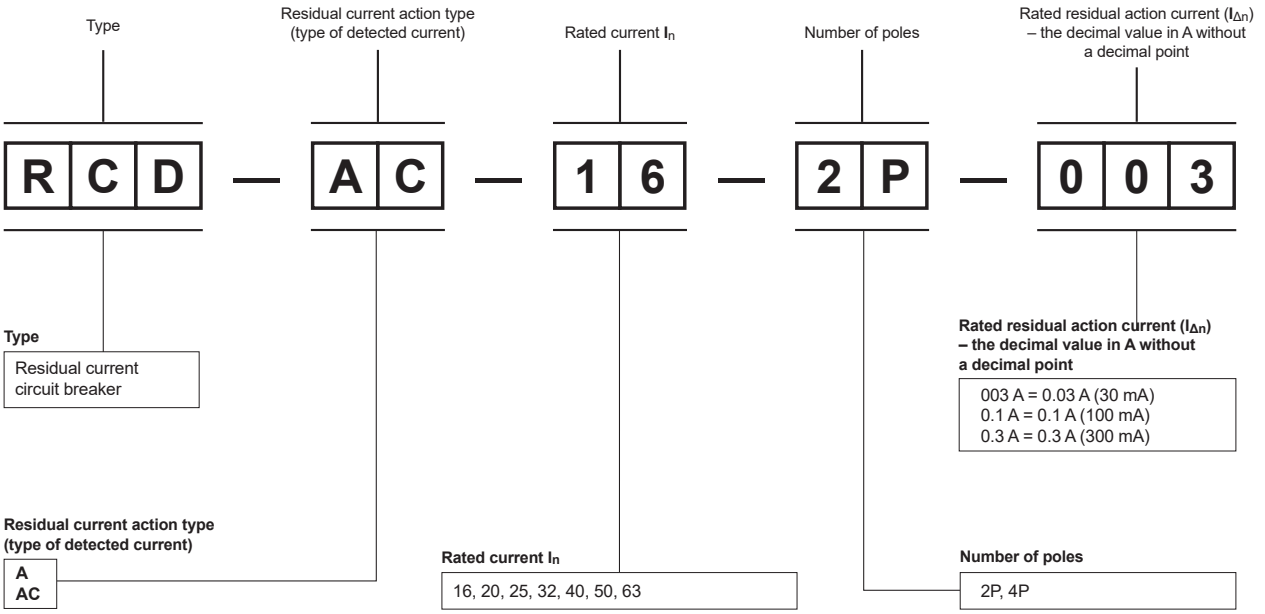
1P+N	3P+N
36 mm (2 modules)	72 mm (4 modules)







Ordering codes



Examples of ordering codes:

RCD-A-20-4P-01 Residual current circuit breaker, short-circuit current I_{cn} = 6 kA, 4-pole, I_n = 20 A, $I_{\Delta n}$ = 100 mA, type A

RCD-AC-63-2P-03 Residual current circuit breaker, short-circuit current I_{cn} = 6 kA, 2-pole, I_n = 63 A, $I_{\Delta n}$ = 300 mA, type AC

PRECAUTIONS:

1. Ensure that the parameters of the product described in its specification provide a safety margin for the appropriate operation of the device or system and never use the product in circumstances which exceed the parameters of the product. **2.** Never touch any live parts of the device. **3.** Ensure that the product has been connected correctly. An incorrect connection may cause malfunction, excessive heating or risk of fire. **4.** In case of any risk of any serious material loss or death or injuries of humans or animals, the devices or systems shall be designed so to equip them with double safety system to guarantee their reliable operation.