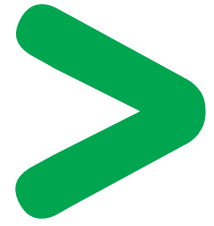


## Residual current circuit-breakers

# Multi 9

## RCCB-ID 40...125A



The RCCB-ID residual current circuit-breakers are simply natural complements to C60 and C120 circuit-breakers.

Residual current circuit-breakers ensure:

- > The control and isolation of electrical circuits.
- > The protection of persons against direct and indirect contacts.
- > The protection of installations against insulation faults.

They conform to both the residual current device standard AS/NZS 61008 and to switch standards IEC 60947-1 and IEC 60947-3.

Residual current circuit-breakers are used in the housing, tertiary and industrial sectors.

### A class

Tripping is ensured for sinusoidal, alternating residual currents as well as for pulsed DC residual currents, whether they be quickly applied or slowly increase.

### “si” type

Reinforced continuity of supply on disturbed networks with:

- > A high risk of nuisance tripping:
  - Successive lightning strikes
  - Variable speed controllers, frequency converters
  - Presence of electronic ballasts
  - Presence of switchgear that incorporates interference filters ie. lighting, micro-computing, etc
- > Sources of blinding:
  - Presence of harmonics or high frequency rejection
  - Presence of DC components: diodes, thyristors, triacs



RCCB

## The range



OF.S

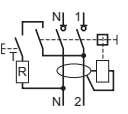
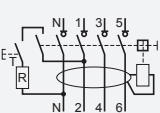
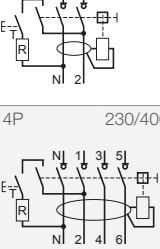


RCCB 2P



RCCB 4P

# Choice table

Type	Voltage (V CA)	Rating (A)	Sensitivity (mA)	Cat. no.	Width in mod. of 9mm	
<b>A class RCCB-ID residual current circuit-breakers</b>						
	230	40	30	23358	4	
			300		23360	4
			63	30	23362	4
				300	23364	4
			100	30	16968	4
	125	30	16970	4		
	230/400	40	30	23382	8	
			300		23384	8
			63	30	23386	8
				300	23388	8
			80	30	16909	8
			100	30	16910	8
			125	30	16924	8
<b>"Si" type RCCB-ID residual current circuit-breakers</b>						
2P	230	40	30	23315	4	
	230/400	40	30	23332	8	

Owing to changes in standards and equipment, the characteristics given in the text and images in this document are not binding until they have been confirmed with us.

# Description

The residual current trip unit is electromechanical. It functions without an auxiliary source.

# Technical data

- > Voltage rating:
  - 230...400 V AC, -15...+10%.
- > Frequency rating:
  - A class: 50/60 Hz,
  - "si" types: 50 Hz.
- > Current rating (I<sub>th</sub>) at 40°C: 16...100 A.
- > As in IEC 61008:
  - Breaking and making capacity:
    - rated residual (I<sub>Δm</sub>): 2.5 kA,
    - rated (I<sub>m</sub>): 1.5 kA.
- > As in IEC 60947-3:
  - Isolation with positive break indication, opening is indicated by a green strip on the device operating handle. This indicator shows that all poles are open.
  - Rated impulse withstand.
  - Voltage (U<sub>imp</sub>): 6 kV.
  - Insulation voltage (U<sub>i</sub>): 440 V.
  - Utilisation category:
    - AC 23A rating ≤63A,
    - AC 22B ratings 80 and 100A.
  - Padlocks in the "tripped" position is possible using the padlocking device.
- > Protected against nuisance tripping due to transient overvoltages (lightning, switchgear operation on the network, etc).
- > Impulse withstand level 8/20 μs:
  - A class
    - 250 A for instantaneous.
  - "si" type
    - 3 kA for instantaneous.
- > Short circuit current withstand (I<sub>Δc</sub> = I<sub>nc</sub>): 10kA with 100 A fuse upstream.
- > Number of operations (O-C): 20 000.
- > Indication:
  - Mechanical: earth fault indication on front panel by means of a mechanical indicator,
  - Electrical: using auxiliaries.
- > Remote tripping: using auxiliaries.
- > Environment:
  - Tropicalisation: treatment 2 (relative humidity 95% at 55°C),
  - Operating temperature:
    - A class, "si" type: -25...+40°C,
    - Storage temperature: -40...+60°C,
  - Weight (g):

Type	2P	4P
	30	450

- > Connection using tunnel terminals for flexible 35 mm<sup>2</sup> cable or rigid 50 mm<sup>2</sup> cable.
- > Screw type: Pozidrive No.2.
- > Can be directly connected using comb busbars to feed multiple circuit-breakers.
- > Conform with standards:
  - IEC 61008
  - IEC 60947-1
  - IEC 60947-3
  - AS/NZS 61008-1

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