



Function


The residual current circuit-breakers are used to:

- Control electric circuits
- Protect people against direct and indirect contacts
- Protect installations against insulation faults

The residual current circuit-breakers are used in the tertiary sector and industry

Technical data

The residual current release is electromechanical and operates without auxiliary supply source.

Voltage rating:	2P: 230 V AC, +10 %, -15 % 4P: 230/400 V AC, +10 %, -15 %.
Frequency rating:	50 Hz.
Current rating (I _n):	80, 100 or 125 A.
Making and breaking capacity, rated residual current (I _{Δm} =I _m) as per standard IEC 61008:	10 I _n .
Protected against nuisance tripping due to transient overvoltages (lightning stroke, device switching on the network, etc.).	
Level of immunity in 8/20 μs wave:	AC and A class: - 250 A for instantaneous - 3 kA for 
	"si" type: 3 kA
Tripping time at:	I _{Δn} : <300 ms 5I _{Δn} : <40 ms.
Short-circuit current withstand (I _{Δc} =I _{nc}):	see the circuit breaker or fuse coordination table with RCCB.
Number of operating cycles (O-C):	Mechanical: > 5 000 Electrical: > 2 000.
Releases with fixed sensitivities for all ratings:	Instantaneous release Selective release: allows total vertical discrimination with the 30 mA residual current devices placed downstream.
Test button used to check proper operation of the tripping mechanism.	
Indication of RCCB status by 3-position toggle and mechanical indicator on the front face:	Closed (red indicator) Tripped on fault (green indicator) Open (green indicator)
Environment:	Tropicalisation: treatment 2 (relative humidity: 95% at 55°C) Operating temperature: -25°C to +40°C Storage temperature: -40°C to +60°C.
Weight (g):	2P: 230 4P: 420.
Connection:	By tunnel terminal for flexible or rigid cable: - 1x1.5 to 50 mm ² - 2x1.5 to 16 mm ² .
Degree of protection:	IP40 on front face IP20 at terminals
Complies with standards:	IEC 61008/EN 61008 VDE 0664

OFsp auxiliary

- Electrical indication: by OFsp auxiliary mounted to the left. It has a double changeover switch indicating the "open" or "closed" position of the RCCB
- Weight (g): 40
- Connection: by tunnel terminal for 0.5 to 1.5 mm² cable

Accessories

- 2P and 4P seable screw shield:
 - Prevents all contact with device terminal screws, degree of protection IP40
 - Optional sealing