



REC3C 2P-40-30M

REC3C 2P-40-30M, RCCB with self-reclosing

Code: P26811. **DESCATALOGADO**

- > Poles: 2
- > In (A): 40 A
- > Reclosing mode: Insulation
- > Sensitivity: 30 mA
- > Breaking element: built-in
- > Type of protection: Type A

Description

The **REC3** range includes 2- or 4-pole RCCBs associated with a smart reclosing motor, which enables the safe reclosing of its associated RCCB. The **REC3C** version can signal the protection and reclosing functions via 2 status outputs.

Compact unit, installed as an RCCB. No connections are required between the motor and RCCB. The insulation reclosing mode is used in the case of high-sensitivity protection functions, so that the unit is only reclosed when the error that tripped it is resolved.

The timed reclosing mode is adopted in the case of lower sensitivities in electrically complex installations, in order to guarantee the continuity of the electric supply. The unit has a locking system that determines the operation in manual or automatic mode (reclosing system enabled).

Application

All electrical installations that require full electrical service continuity in the event of unforeseen situations that can trip the RCCB as a result of causes unrelated to the electrical insulation.

- Domestic sector: refrigerators, alarms, garage doors
- Service sector: air-conditioning, refrigerating chambers, lighting, UPS, etc.
- Industry sector: control of critical production processes.



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Self-reclosing RCCB

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Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	5 VA
Frequency	50/60 Hz ($\pm 5\%$)
Nominal voltage	230 V \sim ($\pm 15\%$)

Mechanical characteristics

Size (mm) width x height x depth	79.5 x 120 x 82 (mm)
Envelope	Plastic V0 polycarbonate
Fastening	DIN rail
Weight (kg)	0,422

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-35 ... +65 °C
Working temperature	-25 ... +55 °C

Measurement circuit

Defect resistance (Rd) / Differential response	< 15 k Ω / Do not self-reclosing
Accepted minimum resistance (Rd0) / Differential response	> 23 k Ω / Self-reclosing

Standards

Electrical safety, Maximum height (m)	2000
Standards	UNE-EN 61008-1, UNE-EN 50557

User interface

LED	2 LED: AUTO, color green / REC, color red
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Circuit breaker / RCCB

Rated conditional short-circuit current (I _{nc})	10 kA to 230/400V with gB 80A fuse
Nominal current (I _n)	40 A
Assigned frequency (Hz)	50/60
Rated breaking and re-closure capacity (I _m)	500 A
Shock wave resistance	Class A, AC: 250A 8/20 μ s Class S: 3000A 8/20 μ s
Rated nominal voltage (U _n)	230 V \sim

Digital relay outputs

Type	2 Changeover contacts
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Nominal voltage	230 V ~
Maximum current	0,13 A

Differential protection

Type	Type A
Sensitivity ($I_{\Delta n}$), A	0,03
Delay time (t_{Δ})	INS

Protection

Circuit breaker type	Circuit breaker / RCCB
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Reclosure type

Reclosure number	3
Reclosure time	3/20/180 s

3 reconnections: 3, 20, 180 s.



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Dimensions

