



REC3-4P-40-30M

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Code: P26221. DESCATALOGADO

- > RCCB self-reclosing
- > In (A): 40 A
- > Reclosing mode: Insulation
- > Poles: 4
- > Sensitivity: 30 mA

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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Specifications

AC power supply

| | |
|-----------------------|------------------|
| Installation category | CAT III 300 V |
| Consumption | 5 VA |
| Frequency | 50/60 Hz (± 5 %) |
| Nominal voltage | 230 V ~ (± 15 %) |

Mechanical characteristics

| | |
|----------------------------------|--------------------------|
| Size (mm) width x height x depth | 115 x 108 x 82 (mm) |
| Envelope | Plastic V0 polycarbonate |
| Fastening | DIN rail |
| Weight (kg) | 0,61 |

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 kΩ / Do not self-reclosing |
| Accepted minimum resistance (Rd0) / Differential response | > 23 kΩ / 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 |
|-----|---|

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 8/20µs Class S: 3000A 8/20µs |
| Rated nominal voltage (U _n) | 230 V ~ |

Differential protection

| | |
|------|--------|
| Type | Type A |
|------|--------|



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| | |
|----------------------|------|
| Sensitivity (IΔn), A | 0,03 |
| Delay time (tΔ) | INS |

Protection

| | |
|----------------------|------------------------|
| Circuit breaker type | Circuit breaker / RCCB |
|----------------------|------------------------|

Reclosure type

| | |
|------------------|------------|
| Reclosure number | 3 |
| Reclosure time | 3/20/180 s |

3 reconnections: 3, 20, 180 s.