



## REC3-4P-40-30M

REC3-4P-40-30M

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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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	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
Operating temperature	-25 ... +55 °C

#### Measurement circuit

Defect resistance (Rd) / Differential response	< 15 k $\Omega$ / Do not self-reclosing
Accepted minimum resistance (Rd0) / Differential response	> 23 k $\Omega$ / 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 <sub>nc</sub> )	10 kA to 230/400V with gB 80A fuse
Nominal current (I <sub>n</sub> )	40 A
Assigned frequency (Hz)	50/60
Rated breaking and re-closure capacity (I <sub>m</sub> )	500 A
Shock wave resistance	Class A, AC: 250A 8/20 $\mu$ s Class S: 3000A 8/20 $\mu$ s
Rated nominal voltage (U <sub>n</sub> )	230 V $\sim$

#### Differential protection

Type	Type A
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Sensitivity ( $I\Delta n$ ), A	0,03
Delay time ( $t\Delta$ )	INS

### Protection

Circuit breaker type	Circuit breaker / RCCB
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### Reclosure type

Reclosure number	3
Reclosure time	3/20/180 s

### REC3

RCCB with self-reclosing system, type A

CODE	TYPE	Poles	In (A)	Reclosing mode	Breaking element
P26121.	REC3-2P-40-30M				
P26131.	REC3-2P-63-30M				
P26123.	REC3-2P-40-300T				
P26133.	REC3-2P-63-300T				
P26221.	REC3-4P-40-30M				
P26231.	REC3-4P-63-30M				
P26223.	REC3-4P-40-300T				
P26233.	REC3-4P-63-300T				

### Self-reclosing RCCB with status output

P26811.	REC3C 2P-40-30M	2	40 A	Insulation	built-in
P26814.	REC3C 2P-63-30M	2	63 A	Insulation	built-in
P26721.	REC3C 2P-40-300T	2	40 A	Time	built-in
P26724.	REC3C 2P-63-300T	2	63 A	Time	built-in
P26812.	REC3C 4P-40-30M	4	40 A	Insulation	built-in
P26815.	REC3C 4P-63-30M	4	63 A	Insulation	built-in
P26722.	REC3C 4P-40-300T	4	40 A	Time	built-in
P26725.	REC3C 4P-63-300T	4	63 A	Time	built-in

3 reconnections: 3, 20, 180 s.