

# REC4-C 2P 40 300

REC4-C-2P-40-300, RCCB with self-reclosing, 2 poles

Code: P27A31.

> In (A): 40A
> Reclosing mode: Time
> Sensitivity: 300 mA
> Breaking element: built-in
> Type of protection: Type A

## Description

Description
The **REC4** is a family of 2- or 4-pole RCCBs linked to a smart reclosing motor, which makes it possible to safely reclose the corresponding RCCB. The **REC4-C** version offers the option of signalling that the maximum number of reconnections has been reached by means of a status output.
Compact device that is installed as an RCCB. There is no need to interconnect the motor and the RCCB.
The reconnection system is time-based. The device has a locking system to control operation in manual or automatic mode (reclosing enabled).

## Application

All electrical installations needing a full, continuous power supply faced with unforeseen incidents not caused by electric insulation which cause the RCCB to trip.

- Housing sector: refrigerators, alarms, garage doors
- Services sector: air conditioning, cold storage rooms, lighting, UPS, etc.
- Industry sector: control of critical production processes



# REC4-C 2P 40 300

Self-reclosing RCCB type A

Code: P27A31.

## Specifications

### AC power supply

| | |
|---|---|
| Installation category | CAT III 300 V |
| Consumption | 6 VA |
| Frequency | 50/60 Hz (± 5 %) |
| Nominal voltage | 230 V ~ (± 20 %) |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 54.5 x 112 x 81 (mm) |
| Envelope | Plastic V0 polycarbonate |
| Fastening | DIN rail |
| Weight (kg) | 0,3 |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 20 / IK 08 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Storage temperature | -35 ... +65 °C |
| Working temperature | Earth leakage protection: -25 ... +55 °C Reclosing: -10 ... +55 °C |

### Standards

| | |
|---|---|
| Electrical safety, Maximum height (m) | 2000 |
| Electrical safety, Installation category | CAT III 300 V ~ |
| Electrical safety, Contamination level/class | Pollution resistance 2 |
| Standards | UNE-EN 61008-1, UNE-EN 63024 |

### User interface

| | |
|---|---|
| LED | 2 LED: AUTO, color green / REC, color red |

### Circuit breaker / RCCB

| | |
|---|---|
| Rated conditional short-circuit current (Inc) | 10 kA to 230/400V with gB 80A fuse |
| Nominal current (In) | 40 A |
| Assigned frequency (Hz) | 50/60 |
| Rated breaking and re-closure capacity (Im) | 500 A |
| Shock wave resistance | Class A, AC: 250A 8/20µs Class S: 3000A 8/20µs |
| Rated nominal voltage (Un) | 230 V ~ |

### Differential protection

| | |
|---|---|
| Sensitivity (IΔn), A | 0,3 |
| Delay time (tΔ) | INS |

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# REC4-C 2P 40 300

Self-reclosing RCCB type A

Code: P27A31.

## Protection

| | |
|---|---|
| Safety relay type (class) | Class A ( IEC 61008.1) |
| Circuit breaker type | Circuit breaker / RCCB |

## Reclosure type

| | |
|---|---|
| Reclosure number | 3 |
| Reset time | 10/20/60 s |
| Reclosure time | 3/20/180 s |

**REC4-C**
RCCB with self-reclosing system, type A with status output

| CODE | TYPE | Poles | In (A) | Reclosing mode | Sensitivity | Type of protection |
|---|---|---|---|---|---|---|
| P27A21. | REC4-C 2P 40 30 | 2 | 40A | Time | 30 mA | Type A |
| P27A31. | REC4-C 2P 40 300 | 2 | 40A | Time | 300 mA | Type A |
| P27A23. | REC4-C 2P 63 30 | 2 | 63 A | Time | 30 mA | Type A |
| P27A33. | REC4-C 2P 63 300 | 2 | 63 A | Time | 300 mA | Type A |
| P27F21. | REC4-C 4P 40 30 | 4 | 40A | Time | 30 mA | Type A |
| P27F31. | REC4-C 4P 40 300 | 4 | 40A | Time | 300 mA | Type A |
| P27F23. | REC4-C 4P 63 30 | 4 | 63 A | Time | 30 mA | Type A |
| P27F33. | REC4-C 4P 63 300 | 4 | 63 A | Time | 300 mA | Type A |

3 reconnections: 3, 20, 180 s. Consult reference for different modes of operation of the status output.



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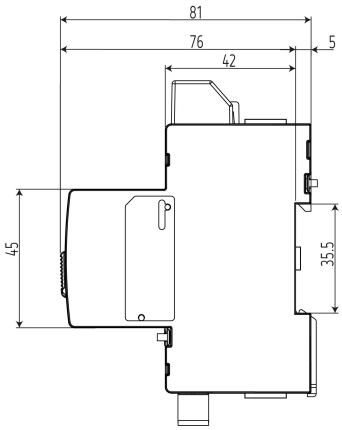


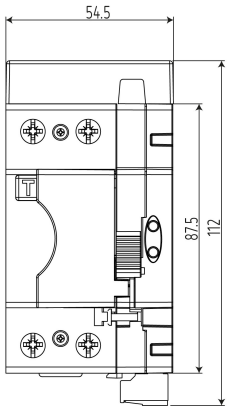
# REC4-C 2P 40 300

Self-reclosing RCCB type A

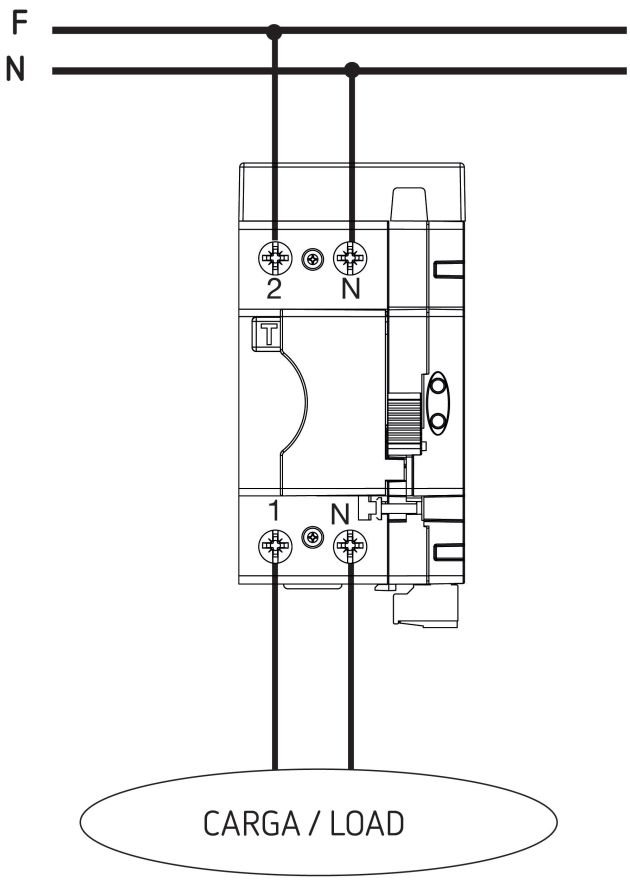
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## Dimensions




## Connections






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