## Technical features

### Protection

<table>
<thead>
<tr>
<th>Type</th>
<th>Class A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity, $I_{n}$</td>
<td>30 or 300 mA, depending on the model</td>
</tr>
<tr>
<td>Trip delay, $t_{Δ}$</td>
<td>Instantaneous</td>
</tr>
<tr>
<td>Nominal current, $I_{n}$</td>
<td>40 or 63 A, depending on the model</td>
</tr>
<tr>
<td>Number of poles</td>
<td>2 or 4, depending on the model</td>
</tr>
<tr>
<td>TEST</td>
<td>Built-in button on the switch</td>
</tr>
<tr>
<td>RESET</td>
<td>Mechanism on front of motor allowing ON/OFF</td>
</tr>
<tr>
<td>Associated circuit breaker</td>
<td>RCCB</td>
</tr>
<tr>
<td>RCCB Status output</td>
<td>Switched contact, 230 VAC, 130 mA</td>
</tr>
</tbody>
</table>

### Reclosing system

| Number of reclosures | 3 |
| Time between reclosures | 3, 20, 180 s |
| Reset time of the reclosing system meter | 3, 20, 180 s |
| Reclosing system locking output | Switched contact, 230 VAC, 130 mA |
| Reclosing system deactivation | Mechanism on front of motor allowing ON/OFF Sealable |

### Electrical features

<table>
<thead>
<tr>
<th>Number of poles/Service voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 poles: 230 VAC</td>
</tr>
<tr>
<td>4 poles: 230 VAC / 400 V AC</td>
</tr>
<tr>
<td>Auxiliary power supply</td>
</tr>
<tr>
<td>Relay output contacts</td>
</tr>
<tr>
<td>Operating temperature</td>
</tr>
</tbody>
</table>

### Mechanical features

| Assembly | DIN Rail 46277 (EN 50022) |
| Dimensions | 2 poles: 4.5 modules |
| Protection degree | IP40 |

### Standards

| IEC 61008, EN 50557 | 

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**Application**

For protection and continuous service in:

**Homes and second homes, fridges, alarms, garage doors, etc.**

**Service sector, air conditioning, refrigerating chamber, lighting, UPSs**

**Industrial sector, critical production process control, etc.**

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**Service continuity guarantee**

**Plug & Play. Fixed sequence**

**Rapid status monitoring**

**Space saving**

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**REC3C**

Self-reclosing RCCB

**Maximum continuity**

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**Technology for energy efficiency**

**Protection and Control**

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**Service continuity guarantee**

**Plug & Play. Fixed sequence**

**Rapid status monitoring**

**Space saving**

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**Service continuity guarantee**

**Plug & Play. Fixed sequence**

**Rapid status monitoring**

**Space saving**
Self-reclosing RCCB

The **REC3C** family are 2- or 4-pole RCCBs associated with an intelligent reclosure motor, allowing a safe reclosure of the RCCB in 3 attempts. The **REC3C** can signal protection and reclosure through 2 status outputs.

**Automatic reclosure to ensure service continuity**

**Insulation mode**

The insulation reclosing mode is used in the case of high-sensitivity protection functions. The unit measures the insulation in periods of 3, 20 and 180 seconds, so that the unit is only reclosed when the error that tripped it is resolved. **For sensitivities of 30 mA.**

**Timer mode**

For other less demanding sensitivities in electrically complex installations, **timed reclosing mode is adopted.** The unit recloses after a set time of 3, 20 or 180 seconds. **For sensitivities of 300 mA.**

**Compact and modular**

The **REC3C** is a compact unit installed like an RCCB. No connections are required between the motor and RCCB.

**2 outputs**

The **REC3C** has 2 status outputs for signalling status. These outputs are used for:
- Locking alarms
- Protection statuses

**LED indicator**

Indicating:
- ON
- Tripped
- Reclosing

**Multifunction mechanism**

Mechanism on the front allowing **ON/OFF, reclosure counter reset and locking the unit.**

**Locking and safety**

Possibility of cancelling reclosure from the motor front mechanism allowing ON/OFF. The unit has a locking system that determines the operation in the manual or automatic mode (reclosing system enabled). **Sealable.**

**Quick, easy installation**

1. Turn off the General Automatic Switch. Do not touch circuits with voltage.
2. Disconnect the RCCB to be replaced from the terminal.
3. Turn on the General Automatic Switch. Check the **REC3C** is working properly by pressing the TEST button.
4. Remove the electrical panel’s protective cover.
5. Connect the input/output of the **REC3C** RCCB.
6. Service electrical panel.