

# RECmaxLPd-C2-50

RECmaxLPd-C2-50, Motorized circuit breaker,2-pole C-curve

Code: P2A117.

> Poles: 2

> In (A): 50 A

> Breaking element: built-in

> Curve: C

## Description

Self-resetting cut-off device with circuit breaker and ultra-immunised residual current protection. Programmable unit with display, which measures leakage currents (residual current protection), and orders the disconnection or reclosing of the circuit breaker (circuit breaker protection) by means of a motor that regulates it mechanically. Measuring the leakage current, IΔ, requires an external residual current transformer, which is supplied separately. The assembly is regularly used in single-phase and three-phase electrical installations that require high continuity of the electric supply. It has inputs/outputs which provide information and control of the state of the electrical installation in which it is working. LED display and backlit (LCD) display:

- Residual current protection/reclosing parameters.
- Protection trip current intensity.
- Number of reclosures
- Protection status messages, etc.

## Application

The **RECmax LPd**, linked with the **WGC** toroidal transformers, ensures earth-leakage and circuit-breaker protection with self-reclosing after an residual current, overload or short-circuit trip. It is a good solution for infrastructures that are difficult to control and monitor due to their location in the following electric panels:

- Telephony systems
- DTT systems
- Computer systems, UPS



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Residual current circuit breaker with self-reclosing system

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## Specifications

### AC power supply

| | |
|---|---|
| Installation category | CAT III 300 V |
| Consumption | 5 VA |
| Frequency | 50/60 Hz |
| Nominal voltage | 230V ~ ± 30% |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 79 x 110 x 83 (mm) |
| Envelope | Plastic V0 |
| Fastening | DIN rail |
| Weight (kg) | 0,433 |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 20, IP 41 (rear panel) |
| Relative humidity (without condensation) | 5 ... 95 % |
| Storage temperature | -40 ... +75 °C |
| Working temperature | -20 ... +70 °C |

### Standards

| | |
|---|---|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | IEC TR 60755, IEC 60898-1, DIN EN 50022, IEC 60947-2-M |

### User interface

| | |
|---|---|
| LED | 2 LED |
| Keyboard | 3 keys |
| Display type | LCD |

### Differential protection

| | |
|---|---|
| Sensitivity (IΔn), A | 0,03 (por defecto) / 0,1 - 0,3 - 0,5 - 1 A (programable) |
| Delay time (tΔ) | Trip delay (IEC 60947-2-M) INS / SEL |

### Thermal-magnetic protection

| | |
|---|---|
| Trip curve, Type | C |
| Nominal current In (A) | 50 |
| Ultimate short-circuit breaking capacity (Icu) / service short-circuit breaking capacity (Ics), in DC (IEC 60947-2) | 30 kA |
| DC voltage breaking capacity (IEC 60947-2) | < 125 V |
| AC ultimate short-circuit breaking capacity (Icu) (IEC 60947-2) | 20 kA |
| V~ Breaking capacity (IEC 60947-2) | 240 V ~ |



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| | |
|---|---|
| Nominal voltage | 240 / 415 V ~ |

**Reclosure type**

| | |
|---|---|
| Reclosure number | Programmable: Differential (10) / Magnetothermal (2) |
| Reset time | Programmable: Differential / Magnetothermic: 30 min |
| Reclosure time | Programmable: Differential / Circuit breaker: 3 min |

**RECmaxLPD**
MCB/RCD with reclosing system

| CODE | TYPE | Poles | In (A) | Curve |
|---|---|---|---|---|
| **2 Poles, C Curve** | | | | |
| P2A110. | RECmaxLPd-C2-6 | 2 | 6 A | C |
| P2A212. | RECmaxLPd-C2-16 | 2 | 16 A | C |
| P2A113. | RECmaxLPd-C2-20 | 2 | 20 A | C |
| P2A214. | RECmaxLPd-C2-25 | 2 | 25 A | C |
| P2A115. | RECmaxLPd-C2-32 | 2 | 32 A | C |
| P2A116. | RECmaxLPd-C2-40 | 2 | 40 A | C |
| P2A117. | RECmaxLPd-C2-50 | 2 | 50 A | C |
| P2A118. | RECmaxLPd-C2-63 | 2 | 63 A | C |
| **4 Poles, C Curve** | | | | |
| P2A120. | RECmaxLPd-C4-6 | 4 | 6 A | C |
| P2A222. | RECmaxLPd-C4-16 | 4 | 16 A | C |
| P2A223. | RECmaxLPd-C4-20 | 4 | 20 A | C |
| P2A126. | RECmaxLPd-C4-40 | 4 | 40 A | C |
| P2A127. | RECmaxLPd-C4-50 | 4 | 50 A | C |
| P2A228. | RECmaxLPd-C4-63 | 4 | 63 A | C |
| **2 Poles, D Curve** | | | | |
| P2A130. | RECmaxLPd-D2-6 | 2 | 6 A | D |
| P2A232. | RECmaxLPd-D2-16 | 2 | 16 A | D |
| P2A233. | RECmaxLPd-D2-20 | 2 | 20 A | D |
| P2A234. | RECmaxLPd-D2-25 | 2 | 25 A | D |
| P2A235. | RECmaxLPd-D2-32 | 2 | 32 A | D |
| P2A236. | RECmaxLPd-D2-40 | 2 | 40 A | D |
| P2A138. | RECmaxLPd-D2-63 | 2 | 63 A | D |
| **4 Poles, D Curve** | | | | |
| P2A140. | RECmaxLPd-D4-6 | 4 | 6 A | D |
| P2A141. | RECmaxLPd-D4-10 | 4 | 10 A | D |
| P2A242. | RECmaxLPd-D4-16 | 4 | 16 A | D |
| P2A143. | RECmaxLPd-D4-20 | 4 | 20 A | D |

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Residual current circuit breaker with self-reclosing system

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| CODE | TYPE | Poles | In (A) | Curve |
|---|---|---|---|---|
| P2A243. | RECmaxLPd-D4-20 | 4 | 20 A | D |
| P2A244. | RECmaxLPd-D4-25 | 4 | 25 A | D |
| P2A245. | RECmaxLPd-D4-32 | 4 | 32 A | D |
| P2A146. | RECmaxLPd-D4-40 | 4 | 40 A | D |
| P2A147. | RECmaxLPd-D4-50 | 4 | 50 A | D |

WGS-20/30 and WGC-25/35 residual current transformers. C/D curve circuit breaker with 6 kA cut off power (IEC 60898). Consult 10 kA



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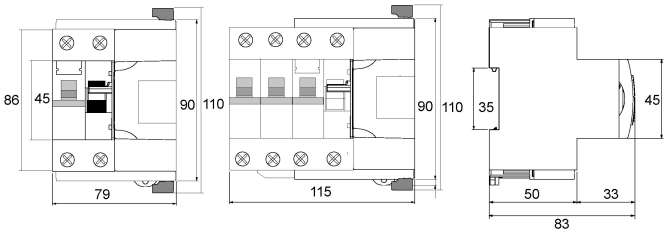


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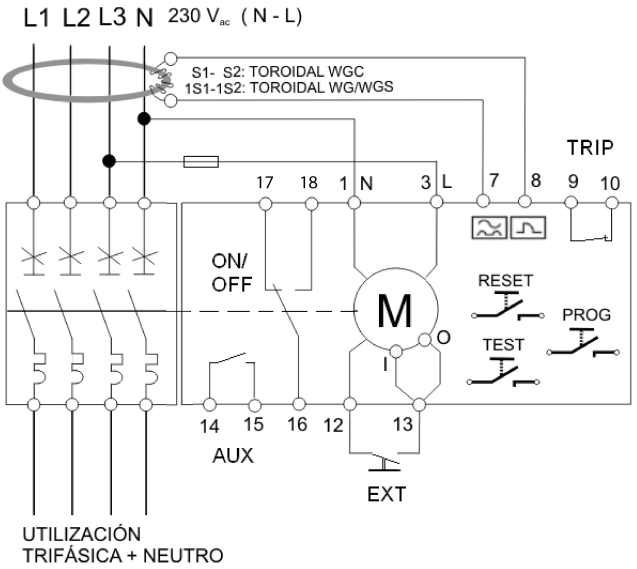
Residual current circuit breaker with self-reclosing system

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## Dimensions




## Connections






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