



RECmax P-D2-50

RECmax P-D2-50, Motorized circuit breaker, 2-pole D-curve

Code: P28137. DESCATALOGADO

- > Poles: 2
- > In (A): 50 A
- > Curve: D

Description

The RECmax P series are 2- and 4-pole circuit breakers connected to a compact motor and internal control unit that enables automatic reclosing.

After triggering, the switch recloses following a sequence of 3 reclosures, with 3 minutes between resets. If the unit is not able to reclose after 3 attempts, it remains triggered until a manual or remote reset is made.

Can also be connected remotely to an external control. It has two inputs which, via voltage-free external signals, order the opening (input 0) and subsequent closing (reclosing) of the circuit breaker (input 1).

They serve as protection against short-circuits and overloads, and can also be used as a remote circuit breaker. The switch status is indicated by LED signals on the front panel of the unit. A green ON LED indicates that the unit is in service; a red OFF LED indicates that the unit has been tripped. A TEST/RESET of the unit can be performed by pressing a button to check the tripping and subsequent rearming of the unit. It also features two single-contact outputs for signalling the status and the cause of the opening and closing of the circuit breaker (trip, manual/test).

Application

The RECmax P series are motorized circuit breakers that can be rearmed automatically or controlled remotely, suitable for any application in which remote connection/disconnection control is required.

They are an essential accessory for automatic circuit breaker and residual current reclosing and protection, and for external control of connection/disconnection.



RECmax P-D2-50

Motorised self-resettable circuit breaker (up to 63 A)

Code: P28137.

Specifications

AC power supply

| | |
|-----------------------|---------------|
| Installation category | CAT III 300 V |
| Consumption | 4,5 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 polycarbonate + GF |
| Fastening | DIN 46277 (EN 50022) |
| Weight (kg) | 0,433 |

Environmental characteristics

| | |
|--|---|
| Protection class | Motor: IP 40 (DIN 40050) / RECmax MP: IP 20 |
| Relative humidity (without condensation) | 5 ...95 % |
| Working temperature | -20 ... +70 °C |

Standards

| | |
|---------------------------------------|------------------------|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | IEC 60898, IEC 60947-2 |

Motor

| | |
|---------------------------------|---------------------|
| Frequency (Hz) | 50 / 60 |
| Absorbed power | 10 VA |
| Tripping / motor reclosure time | < 10 ms / < 1000 ms |
| On / off pulse time | > 10 ms / > 10 ms |
| Maximum voltage | 420 V ~ |
| Minimum voltage | 90 V ~ |
| Nominal voltage | 230 V ~ ± 30 % |
| Electrical life | > 20000 operations |

Digital relay outputs

| | |
|-----------------|-----------------|
| Nominal current | 0,25 A |
| Type | Simple contacts |
| Nominal voltage | 230 V |

Thermal-magnetic protection

| | |
|------------------------------------|----|
| Trip curve, Type | D |
| Nominal current I _n (A) | 50 |



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| | |
|---|-----------------|
| Number of mechanical / electrical manoeuvres | > 20000 / 10000 |
| 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 ~ |
| Minimum operating voltage UB min (V) | 12 V ~ |
| Nominal voltage | 240 / 415 V ~ |

C/D curve circuit breakers with 6 kA cut off power (IEC 60898).



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Dimensions



Connections

