



## RECmax MP-D4-50

RECmax MP-D4-50, Motorized circuit breaker, 4-pole D-curve

Code: P27347.

- > Poles: 4
- > In (A): 50 A
- > Curve: D

### Description

The **RECmax MP** series are motorized circuit breakers that can be linked remotely. They offer protection against short-circuits and overloads, and can also be used as a circuit breaker. After a disconnection caused by a circuit breaker, the switch can be reconnected by an external order. It has two inputs which, via voltage-free external signals, order the opening (input O) and subsequent closing (reclosing) of the circuit breaker (input I). 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 MP** series are motorized circuit breakers that can be controlled remotely, suitable for any application in which remote control of connection/disconnection is required.

They are also used as circuit breakers linked to **CIRCUTOR** self-reclosing relays. They are an essential accessory for automatic circuit breaker and residual current reclosing and protection.



## RECmax MP-D4-50

Motorised circuit breaker (up to 63 A)

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### Specifications

#### AC power supply

|                       |                   |
|-----------------------|-------------------|
| Installation category | CAT III 300 V     |
| Consumption           | 4,5 VA            |
| Frequency             | 50 / 60 Hz.       |
| Nominal voltage       | 230V ~ $\pm 30\%$ |

#### Mechanical characteristics

|                                  |                               |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 115 x 110 x 83 (mm)           |
| Envelope                         | Plastic V0 polycarbonate + GF |
| Fastening                        | DIN 46277 (EN 50022)          |

#### 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 ~ $\pm 30\%$  |
| 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 In (A)                       | 50              |
| Number of mechanical / electrical manoeuvres | > 20000 / 10000 |



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|                                                                                                                     |               |
|---------------------------------------------------------------------------------------------------------------------|---------------|
| Rated short-circuit breaking capacity (Icn) / service short-circuit breaking capacity (Ics) (IEC 60898)             | 6 kA          |
| Voltage breaking capacity (IEC 60898)                                                                               | 230 / 400 V ~ |
| Ultimate short-circuit breaking capacity (Icu) / service short-circuit breaking capacity (Ics), in DC (IEC 60947-2) | 10 kA         |
| DC voltage breaking capacity (IEC 60947-2)                                                                          | 60 V          |
| AC ultimate short-circuit breaking capacity (Icu) (IEC 60947-2)                                                     | 10 kA         |
| V~ Breaking capacity (IEC 60947-2)                                                                                  | 415 V ~       |
| Minimum operating voltage UB min (V)                                                                                | 12 V ~        |
| Nominal voltage                                                                                                     | 240 / 415 V ~ |

**RECmaxMP**  
Motorized MCB with reclosing (up to 63 A )

| CODE                    | TYPE            | Poles | In (A) | Curve |
|-------------------------|-----------------|-------|--------|-------|
| <b>2 Poles, C Curve</b> |                 |       |        |       |
| P27110.                 | RECmax MP-C2-6  | 2     | 6 A    | C     |
| P27111.                 | RECmax MP-C2-10 | 2     | 10 A   | C     |
| P27311.                 | RECmax MP-C2-10 | 2     | 10 A   | C     |
| P27113.                 | RECmax MP-C2-20 | 2     | 20 A   | C     |
| P27313.                 | RECmax MP-C2-20 | 2     | 20 A   | C     |
| P27314.                 | RECmax MP-C2-25 | 2     | 25 A   | C     |
| P27115.                 | RECmax MP-C2-32 | 2     | 32 A   | C     |
| P27315.                 | RECmax MP-C2-32 | 2     | 32 A   | C     |
| P27116.                 | RECmax MP-C2-40 | 2     | 40 A   | C     |
| P27316.                 | RECmax MP-C2-40 | 2     | 40 A   | C     |
| P27117.                 | RECmax MP-C2-50 | 2     | 50 A   | C     |
| P27317.                 | RECmax MP-C2-50 | 2     | 50 A   | C     |
| P27118.                 | RECmax MP-C2-63 | 2     | 63 A   | C     |
| P27318.                 | RECmax MP-C2-63 | 2     | 63 A   | C     |
| <b>4 Poles, C Curve</b> |                 |       |        |       |
| P27120.                 | RECmax MP-C4-6  | 4     | 6 A    | C     |
| P27321.                 | RECmax MP-C4-10 | 4     | 10 A   | C     |
| P27121.                 | RECmax MP-C4-10 | 4     | 10 A   | C     |
| P27322.                 | RECmax MP-C4-16 | 4     | 16 A   | C     |
| P27323.                 | RECmax MP-C4-20 | 4     | 20 A   | C     |
| P27324.                 | RECmax MP-C4-25 | 4     | 25 A   | C     |
| P27124.                 | RECmax MP-C4-25 | 4     | 25 A   | C     |
| P27325.                 | RECmax MP-C4-32 | 4     | 32 A   | C     |
| P27125.                 | RECmax MP-C4-32 | 4     | 32 A   | C     |



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Motorised circuit breaker (up to 63 A)

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| CODE             | TYPE            | Poles | In (A) | Curve |
|------------------|-----------------|-------|--------|-------|
| P27326.          | RECmax MP-C4-40 | 4     | 40 A   | C     |
| P27126.          | RECmax MP-C4-40 | 4     | 40 A   | C     |
| P27327.          | RECmax MP-C4-50 | 4     | 50 A   | C     |
| P27127.          | RECmax MP-C4-50 | 4     | 50 A   | C     |
| P27328.          | RECmax MP-C4-63 | 4     | 63 A   | C     |
| 2 Poles, D Curve |                 |       |        |       |
| P27331.          | RECmax MP-D2-10 | 2     | 10 A   | D     |
| P27332.          | RECmax MP-D2-16 | 2     | 16 A   | D     |
| P27333.          | RECmax MP-D2-20 | 2     | 20 A   | D     |
| P27130.          | RECmax MP-D2-6  | 2     | 6 A    | D     |
| P27334.          | RECmax MP-D2-25 | 2     | 25 A   | D     |
| P27335.          | RECmax MP-D2-32 | 2     | 32 A   | D     |
| P27336.          | RECmax MP-D2-40 | 2     | 40 A   | D     |
| P27337.          | RECmax MP-D2-50 | 2     | 50 A   | D     |
| 4 Poles, D Curve |                 |       |        |       |
| P27341.          | RECmax MP-D4-10 | 4     | 10 A   | D     |
| 2 Poles, D Curve |                 |       |        |       |
| P27135.          | RECmax MP-D2-32 | 2     | 32 A   | D     |
| 4 Poles, D Curve |                 |       |        |       |
| P27342.          | RECmax MP-D4-16 | 4     | 16 A   | D     |
| P27343.          | RECmax MP-D4-20 | 4     | 20 A   | D     |
| 2 Poles, D Curve |                 |       |        |       |
| P27137.          | RECmax MP-D2-50 | 2     | 50 A   | D     |
| 4 Poles, D Curve |                 |       |        |       |
| P27344.          | RECmax MP-D4-25 | 4     | 25 A   | D     |
| 2 Poles, D Curve |                 |       |        |       |
| P27138.          | RECmax MP-D2-63 | 2     | 63 A   | D     |
| 4 Poles, D Curve |                 |       |        |       |
| P27345.          | RECmax MP-D4-32 | 4     | 32 A   | D     |
| P27140.          | RECmax MP-D4-6  | 4     | 6 A    | D     |
| P27346.          | RECmax MP-D4-40 | 4     | 40 A   | D     |
| P27141.          | RECmax MP-D4-10 | 4     | 10 A   | D     |
| P27347.          | RECmax MP-D4-50 | 4     | 50 A   | D     |
| P27143.          | RECmax MP-D4-20 | 4     | 20 A   | D     |
| P27146.          | RECmax MP-D4-40 | 4     | 40 A   | D     |
| P27147.          | RECmax MP-D4-50 | 4     | 50 A   | D     |
| P27148.          | RECmax MP-D4-63 | 4     | 63 A   | D     |

C/D curve circuit breakers with 6 kA cut off power (IEC 60898). Consult 10 kA