



## RECmax MP-C2-20

RECmax MP-C2-20, Motorized circuit breaker, 2-pole C-curve

Code: P27113.

- > Poles: 2
- > In (A): 20 A
- > Curve: C

### 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.



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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 ~ ± 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)                      | 0,443                         |

#### Environmental characteristics

|  |   |
|--|---|
| Protection class                         | Motor: IP 40 (DIN 40050) / RECmax MP: IP 20 |
| Relative humidity (without condensation) | 5 ...95 %                                   |
| Operating 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                   | C  |
| Nominal current I <sub>n</sub> (A) | 20 |



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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 ~   |

### 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     |
| P27112.                 | RECmax MP-C2-16 | 2     | 16 A   | C     |
| P27312.                 | RECmax MP-C2-16 | 2     | 16 A   | C     |
| P27113.                 | RECmax MP-C2-20 | 2     | 20 A   | C     |
| P27313.                 | RECmax MP-C2-20 | 2     | 20 A   | C     |
| P27114.                 | RECmax MP-C2-25 | 2     | 25 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     |
| P27122.                 | RECmax MP-C4-16 | 4     | 16 A   | C     |
| P27323.                 | RECmax MP-C4-20 | 4     | 20 A   | C     |
| P27123.                 | RECmax MP-C4-20 | 4     | 20 A   | C     |
| P27324.                 | RECmax MP-C4-25 | 4     | 25 A   | C     |



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|-------------------------|-----------------|-------|--------|-------|
| 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     |
| 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     |
| P27128.                 | RECmax MP-C4-63 | 4     | 63 A   | C     |
| <b>2 Poles, D Curve</b> |                 |       |        |       |
| 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     |
| P27131.                 | RECmax MP-D2-10 | 2     | 10 A   | D     |
| P27335.                 | RECmax MP-D2-32 | 2     | 32 A   | D     |
| P27132.                 | RECmax MP-D2-16 | 2     | 16 A   | D     |
| P27336.                 | RECmax MP-D2-40 | 2     | 40 A   | D     |
| P27133.                 | RECmax MP-D2-20 | 2     | 20 A   | D     |
| P27337.                 | RECmax MP-D2-50 | 2     | 50 A   | D     |
| P27134.                 | RECmax MP-D2-25 | 2     | 25 A   | D     |
| <b>4 Poles, D Curve</b> |                 |       |        |       |
| P27341.                 | RECmax MP-D4-10 | 4     | 10 A   | D     |
| <b>2 Poles, D Curve</b> |                 |       |        |       |
| P27135.                 | RECmax MP-D2-32 | 2     | 32 A   | D     |
| <b>4 Poles, D Curve</b> |                 |       |        |       |
| P27342.                 | RECmax MP-D4-16 | 4     | 16 A   | D     |
| <b>2 Poles, D Curve</b> |                 |       |        |       |
| P27136.                 | RECmax MP-D2-40 | 2     | 40 A   | D     |
| <b>4 Poles, D Curve</b> |                 |       |        |       |
| P27343.                 | RECmax MP-D4-20 | 4     | 20 A   | D     |
| <b>2 Poles, D Curve</b> |                 |       |        |       |
| P27137.                 | RECmax MP-D2-50 | 2     | 50 A   | D     |
| <b>4 Poles, D Curve</b> |                 |       |        |       |
| P27344.                 | RECmax MP-D4-25 | 4     | 25 A   | D     |
| <b>2 Poles, D Curve</b> |                 |       |        |       |
| P27138.                 | RECmax MP-D2-63 | 2     | 63 A   | D     |
| <b>4 Poles, D Curve</b> |                 |       |        |       |



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|---------|-----------------|-------|--------|-------|
| 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     |
| P27142. | RECmax MP-D4-16 | 4     | 16 A   | D     |
| P27143. | RECmax MP-D4-20 | 4     | 20 A   | D     |
| P27144. | RECmax MP-D4-25 | 4     | 25 A   | D     |
| P27145. | RECmax MP-D4-32 | 4     | 32 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

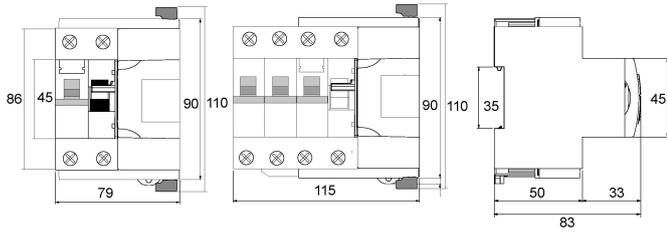


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### Dimensions



### Connections

