



RECmax MP-D4-40

RECmax MP-D4-40, Motorized circuit breaker, 4-pole D-curve

Code: P27146.

- > Poles: 4
- > In (A): 40 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.



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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 | 115 x 110 x 83 (mm) |
| Envelope | Plastic V0 polycarbonate + GF |
| Torque setting | 0,5 ... 0,6 Nm |
| Cable gauge at input and output terminals | Flexible cable: 0,05 - 1.5 mm ² |
| Cable gauge at voltage terminals | Ribbon cable: 0.05 - 2.5 mm ² / Flexible cable: 0.05 - 1.5 mm ² |
| Fastening | DIN 46277 (EN 50022) |
| Weight (kg) | 0,682 |

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 ~ |



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Thermal-magnetic protection

| | |
|---|-----------------|
| Trip curve, Type | D |
| Nominal current I _n (A) | 40 |
| Number of mechanical / electrical manoeuvres | > 20000 / 10000 |
| Rated short-circuit breaking capacity (I _{cn}) / service short-circuit breaking capacity (I _{cs}) (IEC 60898) | 6 kA |
| Voltage breaking capacity (IEC 60898) | 230 / 400 V ~ |
| AC ultimate short-circuit breaking capacity (I _{cu}) (IEC 60947-2) | 10 kA |
| V~ Breaking capacity (IEC 60947-2) | 415 V ~ |
| Minimum operating voltage U _{B min} (V) | 12 V ~ |
| Nominal voltage | 240 / 415 V ~ |

RECmaxMP

MCB with reclosing (up to 63 A)

| CODE | TYPE | Poles | I _n (A) | Curve |
|-------------------------|-----------------|-------|--------------------|-------|
| 2 Poles, C Curve | | | | |
| P27110. | RECmax MP-C2-6 | 2 | 6 A | C |
| P27111. | RECmax MP-C2-10 | 2 | 10 A | C |
| P27112. | RECmax MP-C2-16 | 2 | 16 A | C |
| P27113. | RECmax MP-C2-20 | 2 | 20 A | C |
| P27114. | RECmax MP-C2-25 | 2 | 25 A | C |
| P27115. | RECmax MP-C2-32 | 2 | 32 A | C |
| P27116. | RECmax MP-C2-40 | 2 | 40 A | C |
| P27117. | RECmax MP-C2-50 | 2 | 50 A | C |
| P27118. | RECmax MP-C2-63 | 2 | 63 A | C |
| 4 Poles, C Curve | | | | |
| P27120. | RECmax MP-C4-6 | 4 | 6 A | C |
| P27121. | RECmax MP-C4-10 | 4 | 10 A | C |
| P27122. | RECmax MP-C4-16 | 4 | 16 A | C |
| P27123. | RECmax MP-C4-20 | 4 | 20 A | C |
| P27124. | RECmax MP-C4-25 | 4 | 25 A | C |
| P27125. | RECmax MP-C4-32 | 4 | 32 A | C |
| P27126. | RECmax MP-C4-40 | 4 | 40 A | C |
| P27127. | RECmax MP-C4-50 | 4 | 50 A | C |
| P27128. | RECmax MP-C4-63 | 4 | 63 A | C |
| 2 Poles, D Curve | | | | |
| P27130. | RECmax MP-D2-6 | 2 | 6 A | D |
| P27131. | RECmax MP-D2-10 | 2 | 10 A | D |
| P27132. | RECmax MP-D2-16 | 2 | 16 A | D |



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| CODE | TYPE | Poles | In (A) | Curve |
|-------------------------|-----------------|-------|--------|-------|
| P27133. | RECmax MP-D2-20 | 2 | 20 A | D |
| P27134. | RECmax MP-D2-25 | 2 | 25 A | D |
| P27135. | RECmax MP-D2-32 | 2 | 32 A | D |
| P27136. | RECmax MP-D2-40 | 2 | 40 A | D |
| P27137. | RECmax MP-D2-50 | 2 | 50 A | D |
| P27138. | RECmax MP-D2-63 | 2 | 63 A | D |
| 4 Poles, D Curve | | | | |
| P27140. | RECmax MP-D4-6 | 4 | 6 A | D |
| P27141. | RECmax MP-D4-10 | 4 | 10 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). Curve 10 kA (IEC 60947-2) check

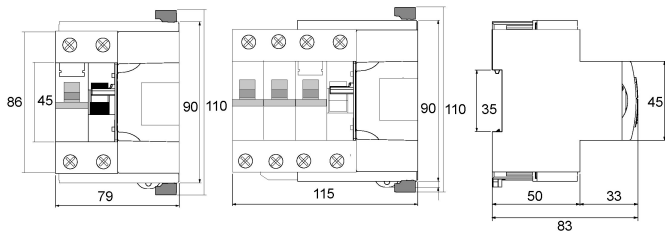


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Dimensions



Connections

