



RECmax P-C4-10

RECmax P-C4-10, Motorized circuit breaker, 4-pole C-curve

Code: P28121.

- > Poles: 4
- > In (A): 10 A
- > Curve: C

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.



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

Code: P28121.

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 |
| Fastening | DIN 46277 (EN 50022) |
| Weight (kg) | 0,602 |

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 | C |
| Nominal current I _n (A) | 10 |



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| | |
|---|-----------------|
| Number of mechanical / electrical manoeuvres | > 20000 / 10000 |
| Rated short-circuit breaking capacity (Icn) / service short-circuit breaking capacity (Ics) (IEC 60898) | 6 kA |
| Voltage breaking capacity (IEC 60898) | 230 / 400 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 ~ |

RECmaxP

MCB with self-reclosing, up to 63 A

| CODE | TYPE | Poles | In (A) | Curve |
|-------------------------|----------------|-------|--------|-------|
| 2 Poles, C Curve | | | | |
| P28110. | RECmax P-C2-6 | 2 | 6 A | C |
| P28111. | RECmax P-C2-10 | 2 | 10 A | C |
| P28112. | RECmax P-C2-16 | 2 | 16 A | C |
| P28113. | RECmax P-C2-20 | 2 | 20 A | C |
| P28114. | RECmax P-C2-25 | 2 | 25 A | C |
| P28115. | RECmax P-C2-32 | 2 | 32 A | C |
| P28116. | RECmax P-C2-40 | 2 | 40 A | C |
| P28117. | RECmax P-C2-50 | 2 | 50 A | C |
| P28118. | RECmax P-C2-63 | 2 | 63 A | C |
| 4 Poles, C Curve | | | | |
| P28120. | RECmax P-C4-6 | 4 | 6 A | C |
| P28121. | RECmax P-C4-10 | 4 | 10 A | C |
| P28122. | RECmax P-C4-16 | 4 | 16 A | C |
| P28123. | RECmax P-C4-20 | 4 | 20 A | C |
| P28124. | RECmax P-C4-25 | 4 | 25 A | C |
| P28125. | RECmax P-C4-32 | 4 | 32 A | C |
| P28126. | RECmax P-C4-40 | 4 | 40 A | C |
| P28127. | RECmax P-C4-50 | 4 | 50 A | C |
| P28128. | RECmax P-C4-63 | 4 | 63 A | C |
| 2 Poles, D Curve | | | | |
| P28130. | RECmax P-D2-6 | 2 | 6 A | D |
| P28131. | RECmax P-D2-10 | 2 | 10 A | D |
| P28132. | RECmax P-D2-16 | 2 | 16 A | D |
| P28133. | RECmax P-D2-20 | 2 | 20 A | D |
| P28134. | RECmax P-D2-25 | 2 | 25 A | D |
| P28135. | RECmax P-D2-32 | 2 | 32 A | D |



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| CODE | TYPE | Poles | In (A) | Curve |
|-------------------------|----------------|-------|--------|-------|
| P28136. | RECmax P-D2-40 | 2 | 40 A | D |
| P28137. | RECmax P-D2-50 | 2 | 50 A | D |
| P28138. | RECmax P-D2-63 | 2 | 63 A | D |
| 4 Poles, D Curve | | | | |
| P28140. | RECmax P-D4-6 | 4 | 6 A | D |
| P28141. | RECmax P-D4-10 | 4 | 10 A | D |
| P28142. | RECmax P-D4-16 | 4 | 16 A | D |
| P28143. | RECmax P-D4-20 | 4 | 20 A | D |
| P28144. | RECmax P-D4-25 | 4 | 25 A | D |
| P28145. | RECmax P-D4-32 | 4 | 32 A | D |
| P28146. | RECmax P-D4-40 | 4 | 40 A | D |
| P28147. | RECmax P-D4-50 | 4 | 50 A | D |
| P28148. | RECmax P-D4-63 | 4 | 63 A | D |

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



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Dimensions



Connections

