



RECmax MP-C2-50

RECmax MP-C2-50, Motorized circuit breaker, 2-pole C-curve

Code: P27117.

- > Poles: 2
- > In (A): 50 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
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)	0,446

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	C
Nominal current I _n (A)	50
Number of mechanical / electrical manoeuvres	> 20000 / 10000
Ultimate short-circuit breaking capacity (I _{cu}) / service short-circuit breaking capacity (I _{cs}), in DC (IEC 60947-2)	30 kA
DC voltage breaking capacity (IEC 60947-2)	< 125 V
AC ultimate short-circuit breaking capacity (I _{cu}) (IEC 60947-2)	20 kA
V~ Breaking capacity (IEC 60947-2)	240 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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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

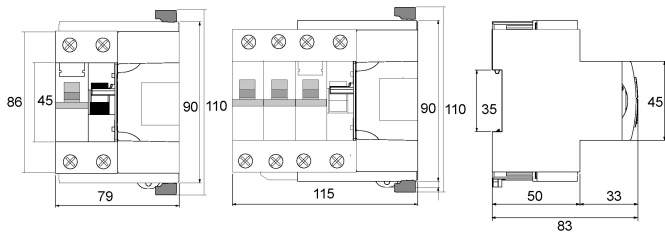


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Dimensions



Connections

