

RECmax MP-C4-50

RECmax MP-C4-50, Motorized circuit breaker,4-pole C-curve

Code: P27327.

> Poles: 4
> 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.



RECmax MP-C4-50

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 ~ ± 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 ~ ± 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 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
2 Poles, C Curve				
P27110.	RECmax MP-C2-6	2	6 A	C
P27312.	RECmax MP-C2-16	2	16 A	C
P27113.	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
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
P27322.	RECmax MP-C4-16	4	16 A	C
P27323.	RECmax MP-C4-20	4	20 A	C
P27124.	RECmax MP-C4-25	4	25 A	C
P27324.	RECmax MP-C4-25	4	25 A	C
P27127.	RECmax MP-C4-50	4	50 A	C
P27327.	RECmax MP-C4-50	4	50 A	C
P27328.	RECmax MP-C4-63	4	63 A	C
2 Poles, D Curve				
P27130.	RECmax MP-D2-6	2	6 A	D
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
P27334.	RECmax MP-D2-25	2	25 A	D
P27336.	RECmax MP-D2-40	2	40 A	D

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CODE	TYPE	Poles	In (A)	Curve
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
P27341.	RECmax MP-D4-10	4	10 A	D
P27342.	RECmax MP-D4-16	4	16 A	D
P27143.	RECmax MP-D4-20	4	20 A	D
P27344.	RECmax MP-D4-25	4	25 A	D
P27345.	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

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