



RECmax P-D4-40

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

Code: P28146.

- > Poles: 4
- > In (A): 40 A
- > Curve: D

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)

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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 rail 46277 (EN 50022)
Weight (kg)	0,675

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 ~

RECmaxP

MCB with self-reclosing, up to 63 A

CODE	TYPE	Poles	I _n (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



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CODE	TYPE	Poles	In (A)	Curve
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
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). Curve 10 kA (IEC 60947-2) check

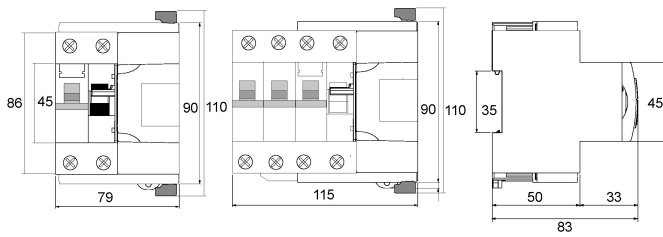


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Dimensions



Connections

