





RECmax P-D4-20, Motorized circuit breaker,4-pole D-curve

Code: P28143. **DESCATALOGADO** 

> Poles: 4 > In (A): 20 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 I) . 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.









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

Code: P28143.

## **Specifications**

Installation category	CAT III 300 V		
Consumption	4,5 VA		
Frequency	50 / 60 Hz.		
Nominal voltage	230V ~ ± 30%		
Normal Voltage	2001 20070		
1echanical characteristics			
Size (mm) width x height x depth	115 x 110 x 83 (mm)		
Envelope	Plastic V0 polycarbonate + GF		
Fastening	DIN rail 46277 (EN 50022)		
Weight (kg)	0,546		
nvironmental characteristics			
Protection class	Motor: IP 40 (DIN 40050) / RECmax MP: IP 20		
Relative humidity (without condensation)	595 %		
Working temperature	-20 +70 °C		
tandards			
Electrical safety, Maximum height (m)	2000		
Standards	IEC 60898, IEC 60947-2		
1otor			
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		
igital relay outputs			
Nominal current	0,25 A		
Туре	Simple contacts		
Nominal voltage	230 V		
hermal-magnetic protection			
Trip curve, Type	D		
Nominal current In (A)	20		







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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 ~

MCB with self-reclosing, up to 63  $\mbox{\ensuremath{\text{A}}}$ 

CODE	TYPE	Poles	In (A)	Curve
2 Poles, D Curve				
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
P28135.	RECmax P-D2-32	2	32 A	D
4 Poles, D Curve				
P28142.	RECmax P-D4-16	4	16 A	D
P28145.	RECmax P-D4-32	4	32 A	D

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







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Connections Dimensions





