

RECmaxLPd-D2-6, Motorized circuit breaker, 2-pole D-curve

- Code: P2A130.
- > Poles: 2
- > In (A): 6 A
- > Breaking element: built-in
- > Curve: D

Description

Self-resetting cut-off device with circuit breaker and ultra-immunised residual current protection. Programmable unit with display, which measures leakage currents (residual current protection), and orders the disconnection or reclosing of the circuit breaker (circuit breaker protection) by means of a motor that regulates it mechanically. Measuring the leakage current, $I\Delta$, requires an external residual current transformer, which is supplied separately. The assembly is regularly used in single-phase and three-phase electrical installations that require high continuity of the electric supply. It has inputs/outputs which provide information and control of the state of the electrical installation in which it is working. LED display and backlit (LCD) display:

- Residual current protection/reclosing parameters.
- Protection trip current intensity.
- Number of reclosures
- Protection status messages, etc.

Application

The **RECmax LPd**, linked with the **WGC** toroidal transformers, ensures earth-leakage and circuit-breaker protection with self-reclosing after an residual current, overload or short-circuit trip. It is a good solution for infrastructures that are difficult to control and monitor due to their location in the following electric panels:

- Telephony systems
- DTT systems
- Computer systems, UPS

Circutor



Residual current circuit breaker with self-reclosing system

Code: P2A130.

Specifications

Size (nm) width x height x depth79 x 110 x 83 (nm)ErwelopePlastic V0FasteningDIN railWeight (kg)0,43Erweronmental characteristicsProtection classProtection classIP 20, IP 41 (rear panel)Relative humidity (without condensation)5 95 %Storage temperature-40 +75 °CWorking temperature-20 +70 °CBetarderdsIE CTR 60755, IEC 60898-1, DIN EN 50022, IEC 60947-2-MStandardsIEC TR 60755, IEC 60898-1, DIN EN 50022, IEC 60947-2-MLED2 LEDKeyboard3 keysDisplay typeLCDDisplay typeLCDEvertication characteristicsSensitivity (Ich), AOo3 (gor defecto) / 0,1 - 0,3 - 0,5 - 1A (programable)ProtectionTip delay (IEC 60947-2-M) INS / SEL	AC power supply			
Frequency 50/60 Hz Nominal voltage 230V - ± 30% echonical characteristics 92 N10 × 83 (mm) Envelope Plostc V0 Envelope Plostc V0 Fashening DM rail Weight (tg) 0.43 Antonemal characteristics 50.95 % Protection class P20.1P41 (rear panel) Relative humidity (without condensation) 50.95 % Storage temperature -0+25 °C Working temperature 200 Storage temperature 200 <th>Installation category</th> <th>CAT III 300 V</th>	Installation category	CAT III 300 V		
Nominal voltage230V 4 10 %3Achanical characteristicsSize (mm) with n keight x depth79 x 110 x 83 (mm)EnvelopePastic V0Fastening0N railWeight (kg)0.43Aradrometal characteristicsProtection class19 20,1P 41 (rear panel)Relative humidity (without condensation)595 %Storage temperature-40	Consumption	5 VA		
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Protection class IP 20, IP 41 (rear panel) Relative humidity (without condensation) 5 95 % Storage temperature -40 +75 °C Working temperature -20 +70 °C Standards	Weight (kg)	0,43		
Relative humidity (without condensation)5 95 %Storage temperature-40 +75 °CWorking temperature-20 +70 °CStandards-20 +70 °CElectrical safeby, Maximum height (m)2000StandardsIEC TR 60755, IEC 60898-1, DIN EN 50022, IEC 60947-2-MJer interface2 IEDLED2 IEDKeyboard3 keysDisplay typeICDInterential protectionTrip dely (EG 60947-2) M INS / SELFreential protectionTrip dely (EG 60947-2) M INS / SELTrip curve, TypeDTrip curve, TypeDIntimate short-circuit breaking capacity (ICU) / service short-circuit3 kAO voltage breaking capacity (IEC 60947-2)<125 V	Environmental characteristics			
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Keyboard3 keysDisplay typeLCDDifferential protection0,03 (por defect) / 0,1 - 0,3 - 1 A (programable)Sensitivity (LΔn), A0,03 (por defect) / 0,1 - 0,3 - 1 A (programable)Delay time (LΔ)Trip delay (IEC 60947-2-M) INS / SELTermal-magnetic protectionTrip delay (IEC 60947-2-M) INS / SELTrip curve, TypeDNominal current In (A)6Utimate short-circuit breaking capacity (IcU / service short-circuit breaking capacity (IEC 60947-2)30 kADc voltage breaking capacity (IEC 60947-2)20 kA	User interface			
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Trip curve, Type D Nominal current In (A) 6 Ultimate short-circuit breaking capacity (Icu) / service short-circuit breaking capacity (Icc) / service short capacity (Icc) / service short cap	Sensitivity (I∆n), A	0,03 (por defecto) / 0,1 - 0,3 - 0,5 - 1 A (programable)		
Trip curve, TypeDNominal current In (A)6Ultimate short-circuit breaking capacity (Icu) / service short-circuit breaking capacity (Ics), in DC (IEC 60947-2)30 kADC voltage breaking capacity (IEC 60947-2)<125 V	Delay time (t∆)	Trip delay (IEC 60947-2-M) INS / SEL		
Nominal current In (A) 6 Ultimate short-circuit breaking capacity (lcu) / service short-circuit 30 kA breaking capacity (lcs), in DC (IEC 60947-2) <125 V	Thermal-magnetic protection			
Ultimate short-circuit breaking capacity (Icu) / service short-circuit30 kAbreaking capacity (Ics), in DC (IEC 60947-2)<125 V	Trip curve, Type	D		
breaking capacity (Ics), in DC (IEC 60947-2) <125 V	Nominal current In (A)	6		
AC ultimate short-circuit breaking capacity (Icu) (IEC 60947-2) 20 kA		30 kA		
	DC voltage breaking capacity (IEC 60947-2)	< 125 V		
V~ Breaking capacity (IEC 60947-2) 240 V ~	AC ultimate short-circuit breaking capacity (Icu) (IEC 60947-2)	20 kA		
	V~ Breaking capacity (IEC 60947-2)	240 V ~		





Residual current circuit breaker with self-reclosing system

Code: P2A130.

Nominal voltage	240 / 415 V ~
Reclosure type	
Reclosure number	Programmable: Differential (10) / Magnetothermal (2)
Reset time	Programmable: Differential / Magnetothermic: 30 min
Reclosure time	Programmable: Differential / Circuit breaker: 3 min

RECmaxLPD

Self-reclosing residual current relay with circuit breaker, used with a residual current transformer not included

CODE	ТҮРЕ	Poles	In (A)	Curve
2 Poles, C Curve				
P2A110.	RECmaxLPd-C2-6	2	6 A	С
P2A111.	RECmaxLPd-C2-10	2	10 A	С
P2A112.	RECmaxLPd-C2-16	2	16 A	C
P2A113.	RECmaxLPd-C2-20	2	20 A	С
P2A114.	RECmaxLPd-C2-25	2	25 A	С
P2A115.	RECmaxLPd-C2-32	2	32 A	С
P2A116.	RECmaxLPd-C2-40	2	40 A	С
P2A117.	RECmaxLPd-C2-50	2	50 A	C
P2A118.	RECmaxLPd-C2-63	2	63 A	C
4 Poles, C Curve				
P2A120.	RECmaxLPd-C4-6	4	6 A	С
P2A121.	RECmaxLPd-C4-10	4	10 A	С
P2A122.	RECmaxLPd-C4-16	4	16 A	C
P2A123.	RECmaxLPd-C4-20	4	20 A	С
P2A124.	RECmaxLPd-C4-25	4	25 A	С
P2A125.	RECmaxLPd-C4-32	4	32 A	С
P2A126.	RECmaxLPd-C4-40	4	40 A	C
P2A127.	RECmaxLPd-C4-50	4	50 A	С
P2A128.	RECmaxLPd-C4-63	4	63 A	С
2 Poles, D Curve				
P2A130.	RECmaxLPd-D2-6	2	6 A	D
P2A131.	RECmaxLPd-D2-10	2	10 A	D
P2A132.	RECmaxLPd-D2-16	2	16 A	D
P2A133.	RECmaxLPd-D2-20	2	20 A	D
P2A134.	RECmaxLPd-D2-25	2	25 A	D
P2A135.	RECmaxLPd-D2-32	2	32 A	D
P2A136.	RECmaxLPd-D2-40	2	40 A	D
P2A137.	RECmaxLPd-D2-50	2	50 A	D

Circutor

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Residual current circuit breaker with self-reclosing system

Code: P2A130.

CODE	ТҮРЕ	Poles	In (A)	Curve
P2A138.	RECmaxLPd-D2-63	2	63 A	D
4 Poles, D Curve				
P2A140.	RECmaxLPd-D4-6	4	6 A	D
P2A141.	RECmaxLPd-D4-10	4	10 A	D
P2A142.	RECmaxLPd-D4-16	4	16 A	D
P2A143.	RECmaxLPd-D4-20	4	20 A	D
P2A144.	RECmaxLPd-D4-25	4	25 A	D
P2A145.	RECmaxLPd-D4-32	4	32 A	D
P2A146.	RECmaxLPd-D4-40	4	40 A	D
P2A147.	RECmaxLPd-D4-50	4	50 A	D
P2A148.	RECmaxLPd-D4-63	4	63 A	D

WGS-20/30 and WGC-25/35 residual current transformers. C/D curve circuit breaker with 6 kA cut off power (IEC 60898).

Circutor



Residual current circuit breaker with self-reclosing system

Code: P2A130.

Dimensions

Connections

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