



Service continuity guarantee



Plug and Play



Saves space



Preventive control of leakages



Electrical parameter control

kWh
V PF
kVA cosφ
A kvar

Communications systems

Industry



Services

Information systems, UPS systems

Technical features

Earth leakage protection	Type	Type A (IEC 60755) Ultra-immunised
	Measurement	True root mean square value (TRMS)
	Sensitivity	Adjustable, 0.03-0.1-0.3-0.5-1 A*
	Trip delay	Adjustable, Trip curve: INS, SEL Defined time: 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.8 - 1s
	Test and reset	Through the use of T and R buttons
Circuit breaker protection	Sensor element that can be associated	WGC earth leakage transformer (inc.)
	Built-in element	Motorized circuit breaker
	Current intensity	In 6-10-16-20-25-32-40-50-63 A
	Number of poles	2 / 4
	Rated voltage, Un Vac	240 / 415
	Trip curves	C / D
Earth leakage reclosing / Circuit breaker	Cut off power	6 kA
	No. of reclosings	Programmable 10 / 2 (by default)
	Time between reclosings	Configurable, 3 min. (by default)
	RESET time	According to configured sequence, 30 min. (by default)
Measurement circuit	Voltage	300 Vac p-n – 520 Vac p-p
	Frequency	50...60 Hz
	Sensor element that can be associated	MC1 (2 poles) or MC3 (4 poles) (inc.)
	Transformation ratio of the sensor element	75/0.25 A
Accuracy Class	V, A, Power	0.50%
	Active energy	I < 0.1 In (Class 1) I > 0.1 In (Class 0.5)
	Reactive energy	Class 2
Communications	Protocol	Modbus/RTU (RS-485)
	Speed	9600, 19200
	Bit, parity, stop	8, n, 1
External inputs	EXT ON/OFF	Trip / Rearm, voltage-free input
	EXT Locked	External locking of reclosings, voltage-free input
Electrical features	Interlocking output contact	Potential-free, 230 Vac, I _{max} =100 mA
	Positive safety contact	Potential-free, 230 Vac, I _{max} =100 mA
	Circuit breaker status contact	Potential-free, 230 Vac, I _{max} =500 mA
	Digital outputs	24 Vdc – 50 mA
Mechanical features	Operating temperature	-10 ... +55 °C
	Attachment	DIN rail 46277 (EN 50022)
	Dimensions	2P: 5.5 modules / 4P: 7.5 modules
	Weight	2 poles: 539 g / 4 poles: 790 g
	Protection degree	Terminals IP 20, embedded relay IP 41
Standards	IEC 60898, IEC 60947-2, IEC 60755, IEC 61557-12	



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CIRCUTOR, SA reserves the right to change any information contained in this catalogue.

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P Protection and Control

RECmax CVM

Circuit breaker and reclosing earth leakage protection, with measurement included



Protects
Measures
Recloses

Technology for energy efficiency



RECmax CVM

Circuit breaker and reclosing earth leakage protection, **with measurement included**

Your installation controlled on a single device



Protection

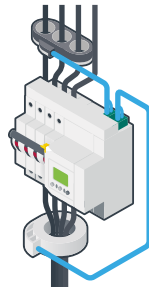
Circuit breaker and ultra-immunised earth leakage protection

Measurement

Analyser function. Measures up to 250 electrical variables.

Self-Reclosing

Auto-recloses in the event of tripping. Easily disabled if this is not required.



Saves time and space

- > The **Plug&Play** system simplifies the installation in an easy and intuitive way.
- > Sensors with cable outlet and terminal block, simply connect and start them (included).
- > Integrated voltage power supply (self-powered), simplifying the installation.



Avoids unwanted tripping

- > Protection: circuit breaker and ultra-immunised earth leakage protection.
- > Avoids unnecessary tripping due to harmonics.
- > Eliminates tripping due to network transients.
- > Ensures service continuity until the leakage level exceeds 80%.



Saves energy

- > Measures over 250 electrical variables.
- > Through the display or RS485 communications we know how, when and where our energy costs occur.



Reduces production losses

- > Its automatic reclosing system, both circuit breaker and earth leakage, ensures maximum service continuity.

Information at your fingertips

The display enables:

- > Preventive control of leakages
- > Settings control
- > Displaying of electrical parameters
- > Displaying of tripping events.

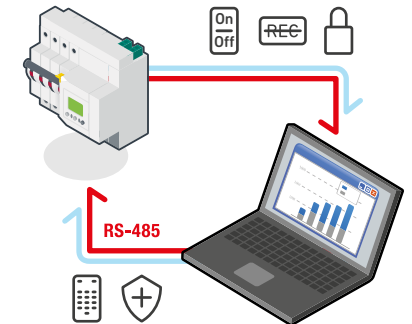
Remote control and display

The **RECmax CVM** can be monitored remotely (using SCADA) thanks to the RS-485/Modbus communications port that is included.

CONTROLS ALL OF THE INSTALLATION'S PARAMETERS



KNOW THE STATUS OF THE DEVICE AND CONTROL IT AT ALL TIMES:



- > Status (On/Off)
- > Remote control
- > External locking of reclosings
- > End of automatic reclosing
- > Positive safety

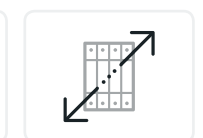
Wide range of options



2 or 4 poles



C or D curve



From 6 to 63 A