



RGE-R, Residual current relay

Code: P122320040000

> Módules: 2

> N° relays: 1

> I∆n (A): 0,03 ... 5 A

> Power supply (Vac): 24...48 Vac | 24...125 Vdc

> Delay: 0,02 ... 5 s (*1) > Mounting: DIN rail

Description

Electronic residual current protection relay, used to connect to the residual current transformers WG / WGC Series. These electronic relays offer a high reliability, with the option of a fixed or adjustable sensitivity and delay Type A relay with high frequency current filtering and high immunity. Monitoring of the true root mean square (TRMS).

- O Assembly on DIN rail 46277
- O Reduced size: 2 modules
- LED indicators:
 - o Permanently lit leak indicator: LED Trigger relay
 - o Flashing power LED and lit leak LED: detection of faults in the transformer's continuity
 - o Flashing leak LED indicator:
 - o Leak with a value under the value selected
 - o 1 flash every 2s: 25 ... 50% of the leakage current
 - o 1 flash every 1s: 50 ... 75%
 - o 2 flashes every 1s: 75 ... <100%
 - o Permanently: 100 %

Application

The relays of the RGE series and the transformer of the WG / WGC series enable a full residual current protection for both single and three-phase lines. They guarantee maximum security and continuity of the electrical service, avoiding unwanted tripping.







Electronic residual current relay

Code: P122320040000

Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	3 VA
Frequency	50/60 Hz
Nominal voltage	24 48 V~
DC power supply	
Consumption	2,5 W
Nominal voltage	24 125 Vdc (±15 %)
Mechanical characteristics	
Size (mm) width x height x depth	35 x 85 x 68 (mm)
Envelope	Polycarbonate
Fastening	DIN 46276
Weight (kg)	0,056
Environmental characteristics	
Protection class	IP 20
Relative humidity (without condensation)	5 95 %
Working temperature	-10 +50 °C
Standards	
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Standards	IEC 60755, IEC 60947-2-M
Electrical safety	
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
Digital relay outputs	
Maximum current	10 A ~
Maximum power	2500 VA
Maximum switching capacity	2500 VA
Differential protection	
Туре	Type A ultra-immunised
Sensitivity (I∆n), A	0,03 5 seleccionable
Delay time (t∆)	0.02 5 s (selectable)







Electronic residual current relay

Code: P122320040000

Protection

LED indication	Power supply voltage Earth leakage tripping External transformer disconnection Prealarm
Measure	True root mean square (TRMS)
Circuit breaker type	Contactor or Circuit Breaker + trigger coil

RGE-R

Residual current relay, type A, for WGC transformer, 2 modules with visual prealarm.

CODE	TYPE	IΔn (A)	N° relays
P12231.	RGE-R1	0,03 3 A	
P12A32.	RGE-RL	0,03 5 A	1
P122320040000	RGE-R	0,03 5 A	1

Requires a WGC residual current transformer To encode other parameters, such as the auxiliary power supply voltage, see the table at the end of the section







Electronic residual current relay

Code: P122320040000

Connections Dimensions 68 - 35 — RESET EXTERIOR RESET EXTERIOR 64 5 6 7 8 L1L2L3N L1L2L3N °O O1 ■cwcnus Concurrence of the concurrence o BOBINA MINIMA U< 45 29 85 1234 Disparo por BOBINA EMISION Disparo por BOBINA MINIMA CARGA CARGA 1234

