



RGU-10C RAL, Reclosing residual current relay

Code: P24662.

> Communications: RS-485 > IΔn (A): 0,03 ... 30 A > Delay: 0,02...10 s, INS, SEL > Nr. reclosures: Programmable > Breaking element: Contactor > Type of protection: Type A

Description

Electronic residual current protection relay, used to connect the external toroidal transformers of the \mathbf{WG} / WGS / WGC Series. Self-reclosing with a programmable residual current trip. Superimmunized type A Relay, with high frequency current filtering and high immunity. Monitoring in TRMS The backlight display shows the following information:

- Adjustment values
- o Instantaneous leakage current

It has two independent outputs:

- Trip relay
- o End-of-reclosing-sequence interlocking relay

Other features:

- External input for remote control functions (230 V~)
- o Automatic test of the connection and external transformer status
- o Optional RS-485 Communications: type **RGU-10C RAL**
- o Reduced dimensions: 3 modules
- o Assembly on DIN rail 46277 (EN 50022).
- Optional assembly on 72 x 72 panel with accessory M5ZZF1.

Application

The RGU-10 RAL relays associated to a meter allow the automatic reclosing after a trigger, thus offering the most adequate solution for public lighting, cash machines, refrigeration chambers, traffic lights, etc. Its design characteristics guarantee maximum security and continuity of the electrical service, avoiding unwanted tripping.







Earth protection Relay WG / WGS / WGC Series

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Specifications

AC power supply	
Consumption	6 VA
Frequency	50/60 Hz
Nominal voltage	110 - 230 V~ (± 20 %)
Mechanical characteristics	
Size (mm) width x height x depth	52.5 x 85 x 67.9 (mm)
Fastening	DIN rail
Weight (kg)	0,293
Environmental characteristics	
Protection class	IP 20 (terminals), IP 41 (front)
Relative humidity (without condensation)	5 95 %
Working temperature	-10 +50 °C
External reset input for tripping	
Туре	Optocoupled
Maximum power	0,7 W
Maximum voltage	230 Vca
Standards	
Electrical safety, Maximum height (m)	2000
Standards	IEC 61008-1, IEC 60755, IEC 255-5
User interface	
Display type	Backlit LCD
Digital relay outputs	
Nominal load in AC	2500 VA
Nominal current	6 A ~
Nominal voltage	230 V ~
Maximum current	10 A ~
Differential protection	
Туре	Type A ultra-immunised
Sensitivity (I∆n), A	0,03 3 / 5-10-30 (Setup)
Delay time (tΔ)	0,02 10 s
Transformer	External, WG (WG/WGS/WGC) series







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Protection

Circuit breaker type	Contactor	
Serial communication		
Protocol	Modbus/RTU	
Technology / Type	RS-485	

RGU-10 RAL

Reclosing protection relays and residual current reclosing with WGC external transformer

CODE	TYPE	IΔn (A)	Breaking element
P24622.	RGU-10 RAL	0,03 30 A	Contactor
P24662.	RGU-10C RAL	0,03 30 A	Contactor

Requires an residual current transformer, WGC type (not included). The breaking element to be associated must be a contactor not included. To encode other parameters, see the table at the end of the section.







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Connections Dimensions





