

RGU-10C RAL

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 **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
- Instantaneous leakage current

It has two independent outputs:

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

Other features:

- External input for remote control functions (230 V~)
- Automatic test of the connection and external transformer status
- Optional RS-485 Communications: type **RGU-10C RAL**
- Reduced dimensions: 3 modules
- 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.

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RGU-10C RAL

Earth protection Relay WG / WGS / WGC Series

Code: P24662.

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

Type	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

Type	Type A ultra-immunised
Sensitivity (IΔn), 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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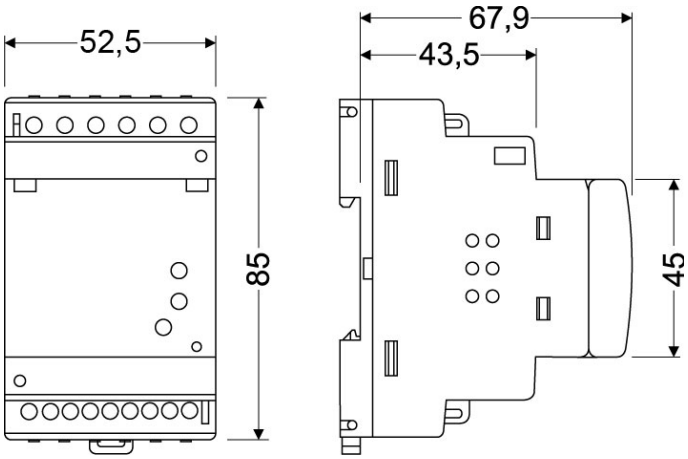


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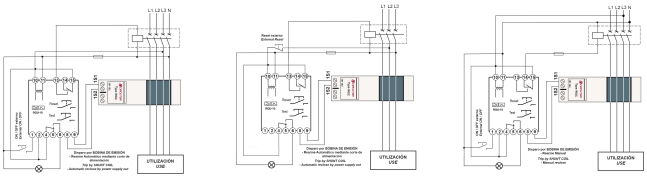
Earth protection Relay WG / WGS / WGC Series

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Dimensions



Connections



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