



RGU-10 RAL

RGU-10 RAL, Reclosing residual current relay

Code: P24622.

- > $I_{\Delta n}$ (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.



RGU-10 RAL

Earth protection Relay WG / WGS / WGC Series

Code: P24622.

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) | 0,231 |

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 | 250 V ~ |
| Maximum current | 10 A ~ |

Differential protection

| | |
|--------------------------------|----------------------------------|
| Type | Type A ultra-immunised |
| Sensitivity ($I\Delta n$), A | 0,03 ... 3 / 5-10-30 (Setup) |
| Delay time ($t\Delta$) | 0,02 ... 10 s |
| Transformer | External, WG (WG/WGS/WGC) series |



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Protection

| | |
|----------------------|-----------|
| Circuit breaker type | Contactor |
|----------------------|-----------|

RGU-10 RAL

Type A ultraimmunized residual current relay with reconnection

| CODE | TYPE | I _{Δn} (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.

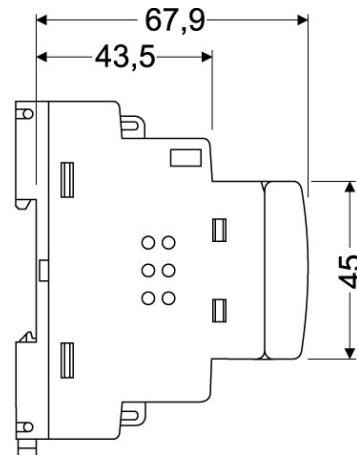
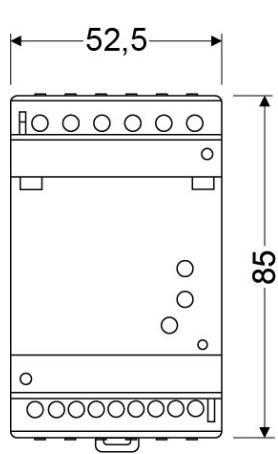


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Dimensions



Connections

