



RGU-10B

RGU-10B, Residual current relay type B

Code: P11951.

- > Módulos: 3
- > Pre-alarm relay: Yes
- > N° relays: 1
- > $I_{\Delta n}$ (A): 0,1...3 A
- > Power supply (Vac): 230 Vac
- > Delay: 0,1 ... 10 s
- > Mounting: DIN rail

Description

Electronic residual current current protection and monitoring relay (**IEC 62020**) compatible with the protection transformers of the **WGC-TB** series. The **RGU-10B** is the most complete system for monitoring and controlling electrical insulation of type-B installations (**IEC 60755**).

- Electronic relay with relay output.
- Measures in AC, DC or mixed current, type B (**IEC 60755**)
- Measures the intensity of the current by connecting to an residual current transformer of the **WGC-TB**
- Programmable with backlit LCD display:
 - Trip current (red display when tripped)
 - Parameter programming
 - Instantaneous leakage current
 - Disconnection of external transformer
- Status signalling via 2 LEDs
- Features two independent programmable outputs (main and prealarm).
- Includes a remote-control input.
- Assembly on **DIN 46277** rail (**EN 50022**), 3 modules.

Application

Monitoring of the electrical insulation in:

- Single or three-phase AC installations, AC installations with DC components or purely DC installations. With frequencies of up to 1 kHz.

Such as, for example:

- Speed drives
- UPS (Uninterruptible Power Supply systems)
- Photovoltaic installations
- Motor control devices, etc.



RGU-10B

Electronic residual current residual current protection and monitoring relay (Type B)

Code: P11951.

Specifications

AC power supply

| | |
|-----------------|-----------------|
| Consumption | 6 VA |
| Frequency | 50/60 Hz |
| Nominal voltage | 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) | 0,28 |

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 ± 20% |

Standards

| | |
|---------------------------------------|---------------------------------------|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | IEC 60947-2 (M), IEC 62020, IEC 60755 |

User interface

| | |
|--------------|-------------|
| Display type | Backlit LCD |
|--------------|-------------|

Digital relay outputs

| | |
|---------------------|---------|
| Nominal load in AC1 | 2500 VA |
| Nominal current | 10 A ~ |
| Nominal voltage | 250 V ~ |
| Maximum current | 15 A ~ |

Differential protection

| | |
|-------------------------------|-------------------------|
| Type | Type B |
| Sensitivity (I Δ n), A | 0,1 ... 3 |
| Delay time (t Δ) | 0,1 ... 10 s |
| Transformer | External, WGC-TB series |



RGU-10B

Electronic residual current residual current protection and monitoring relay (Type B)

Code: P11951.

RGU-10B

Residual current relay, type B

| CODE | TYPE | $I\Delta n$ (A) | N° relays | Pre-alarm relay | Módulos | Mounting | Delay | Communications | Protocol | Power supply |
|---------|---------|-----------------|-----------|-----------------|---------|----------|--------------|----------------|----------|--------------|
| P11951. | RGU-10B | 0,1...3 A | 1 | Yes | 3 | DIN rail | 0,1 ... 10 s | - | - | 230 Vac |

Requires an residual current transformer, WGC-TB type. See codification table for other options.

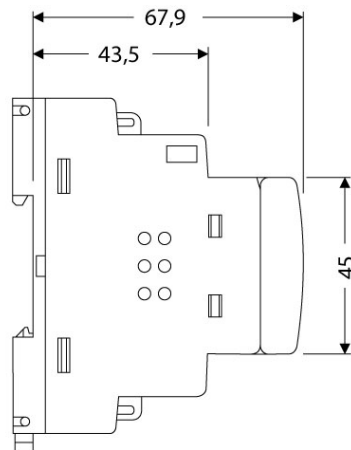
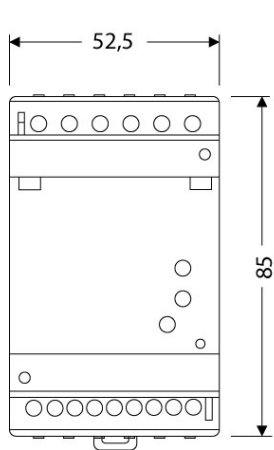


RGU-10B

Electronic residual current residual current protection and monitoring relay (Type B)

Code: P11951.

Dimensions



Connections

