

WGB-140

WGB-140, residual current transformers for type-B residual current relays

Code: P11B56.

> Usefull diam.(mm): 140.5
> IΔn (A): 0.1 ... 3 A
> Max. Current (A): 630

Description

The residual current transformers of the **WGB** range are especially designed to protect and monitor B-type loads (**IEC 60755**), and are suitable for measuring AC, DC and pulsating leakage currents.

The range of **WGB** differential transformers is designed for use with the **RGU-100B** or **CBS-400B** electronic relays, which give them the associated trip current (sensitivity).

The transformers have an Ethernet port to connect them using this type of cable with the relay, which transmits all the readings and other information on the protected or monitored line.

Application

Residual current protection or monitoring of single-phase or three-phase electric loads in alternating current with direct current components, with frequencies of up to 1 kHz, such as:

- Variable speed drives.
- UPS.
- Photovoltaic Facilities.
- Electrical Vehicle Charging.
- Active filters.



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Specifications

Electrical characteristics

Cable: Connector type	RJ 45

Mechanical characteristics

Size (mm) width x height x depth	200 x 183.55 x 56 (mm)
Weight (kg)	0,69

Environmental characteristics

Thermal Class	150 °C
Storage temperature	-20 ... + 70 °C
Working temperature	-10 ... +50 °C

Specific technical characteristics of current sensors

Sampling frequency	50 ... 1 kHz
Maximum current	630 A
Inner diameter Ø (mm)	140.5
Operating voltage	480 V ~

Standards

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

Measurement accuracy

Phase current measurement	100 mA (±5 mA) 300 mA (±20 mA) / 500 mA (±20 mA) / 1 A (±200 mA) / 3 A (±200 mA)

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CODE	TYPE	Inner diameter (mm)	IΔn (A)	In (A)
P11B52.	WGB-35	35.5	0.03 ... 3 A	80
P11B53.	WGB-55	55.5	0.03 ... 3 A	160
P11B54.	WGB-80	80.5	0.03 ... 3 A	250
P11B55.	WGB-110	110.5	0.03 ... 3 A	400
P11B56.	WGB-140	140.5	0.1 ... 3 A	630

Only for relays type RGU-100B and CBS-400B

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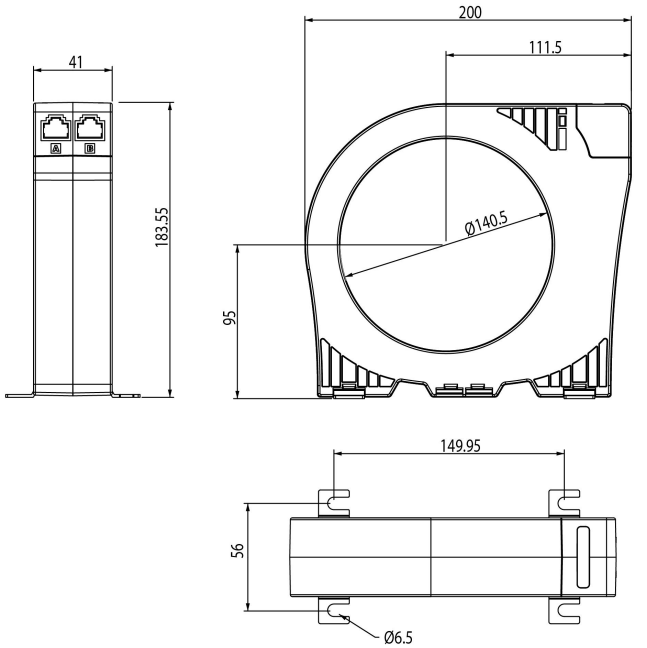


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Dimensions



Connections

