**Rogowski coil set 175 mm with transducer 1 - 4000A / 1A**

for AC current measurement of busbars and power lines

power lines with uninterruptible closure, internal shielding, sealable as well as with device for fixing to the primary conductor by means of cable ties.

CE 2014/30/EU & 2014/35/EU and IEC 61010-1 certified and tested.

Diameter of measuring loop (primary conductor): 70 mm

Diameter of measuring cable of measuring loop: 6.1 mm

Length of connecting cable to transmitter: 3 m

Accuracy class 0.5 according to IEC 61869 with an

accuracy of < 0.65 regardless of the position of the primary

primary conductor.

Frequency bandwidth coil under load: 50/60 Hz

Coil open-circuit frequency: up to 700 kHz

Coil rated insulation voltage: 1 kV CAT III

Coil protection class: IP 67

Ambient temperature transmitter: -40 - +80°C

Coil weight: 206 g

Including compact microcontroller - measuring transducer for vertical use on DIN rail in plastic housing with alarm output as well as alarm visualisation via LED.

Current measuring ranges (primary): 250A, 500A, 1000A, 2000A, 4000A adjustable at the transmitter and display via LED.

Current measuring range (secondary): 0 - 1 A at the output of the

output of the transducer for connection to the measuring device.

Auxiliary voltage: 24V DC / 1 A

Max. Current consumption: < 300 mA at 1 A

No-load current: < 80 mA

Power supply unit not included in delivery.

Number of alarm outputs: 1

Type of alarm output: potential-free optocoupler 24V / 200mA

Dimensions transmitter in mm: W: 22.5 x H:100 x D:100

Protection class transmitter: IP30

Weight of transmitter: approx. 0.2 kg

Ambient temperature transmitter: -20 - +85° C

Delivery includes:

1x Rogowski coil + 1x measuring transducer, measuring transducer disconnect terminals with screw connection 0.2 - 10 mm², bridges as well as DIN rail clamp for DIN rail mounting according to DIN VDE 0100 - 557.5.3.1., matching of the design to the practical application (mechanical design, power & cable length, etc.), delivery, assembly as well as connection to the measuring device.

Manufacturer: Janitza electronics GmbH

Type: Rogowski-coil 175 mm + Rogotrans

Art.no.: 1503610 + 1503612