**RCM 201-ROGO**

Residual current monitor to DIN EN 62020 with Rogowski coil

for detection, evaluation and monitoring of residual currents of type A, conforming to standards according to DIN EN 62020/VDE 0663/IEC 62020, as total residual current (L1, L2, L3,N) or the PE - residual current (ZEP or PE outgoing feeder).

Initial installation or retrofitting on busbars or single or multiple, also parallel, cable feeds with increased overall diameter without separation of the installation.

Operation as Modbus RTU slave or operation in connection via analogue outputs to universal measuring devices of the same make with residual current measuring input.

Not compatible with 20-channel operating current and RCM measuring device and 2-channel residual current monitoring and analysis device.

Configuration of the measuring range via the programming switch or via the communication interface as well as display of the set measuring range and the active programming mode on the front of the unit via coloured status LEDs.

Separate digital output for diagnosis when the set measuring range is exceeded with a 10 s delay and visualisation of the error by means of coloured LED on the front of the unit as well as test button for testing the diagnostic output.

Configuration of the communication settings via the communication interface and output of the measured values and unit settings.

Set consisting of external Rogowski coil and residual current monitor as signal converter.

Connection of a Rogowski coil via mini-Din plug with the following diameter of the closed coil:

120, 200, 290, 390, 580 mm

Length of the connecting cable of the Rogowski coil: 3 m

Lock type: bayonet, sealing snap-in

Overload current (max. 1s): 100 kA

Protection class coil: IP67

Overvoltage category: CAT 3 1000Vrms, CAT 4 600Vrms

Residual current monitor (signal converter):

Supply voltage: 24 V DC (+-20 %)

Current consumption nominal operation: 0.1 A

Detection of residual current types: Type A

Measured value deviation: max. 2% depending on measuring range end value

Measuring ranges differential currents:

0.1 to 5 A AC

0.2 to 10 A AC

0.5 to 25 A AC

2.5 to 125 A AC

Transformer ratios:

5A AC / 0.04 A = 125 / 1

10A AC / 0.04 A = 250 / 1

25A AC / 0.04 A = 625 / 1

125A AC / 0.04 A = 3125 / 1

Overload current (max. 1s): 100 kA

Analogue outputs:

Number of analogue outputs: 1

Output current: 0 - 40 mA

Digital outputs:

Type of digital outputs: potential-free transistor output (NC/NO)

Switching current / voltage: 100 mA effective / 24 V DC

Number of digital limit value outputs: 1

Number of digital diagnostic outputs: 1

Interfaces:

Number: 1

Type: RS485

Protocols: Modbus RTU

Mounting: Modular unit

Dimensions in mm (W x H x D): 22.5 x 100 x 110

Units of division: 1 TE

Weight in g: 200

Delivery includes:

Mounting accessories, documentation, matching of the design to the practical application as well as the measured variables incl. their recording intervals, compatible residual current transformer set, configuration and parameterisation of the unit, delivery, mounting as well as connection.

Rogowski coil diameter (120, 200, 290, 390, 580

mm): '.........' mm

Make: Janitza electronics GmbH

Type: RCM 201-Rogo + Rogo coil

Art.no.: 1503614