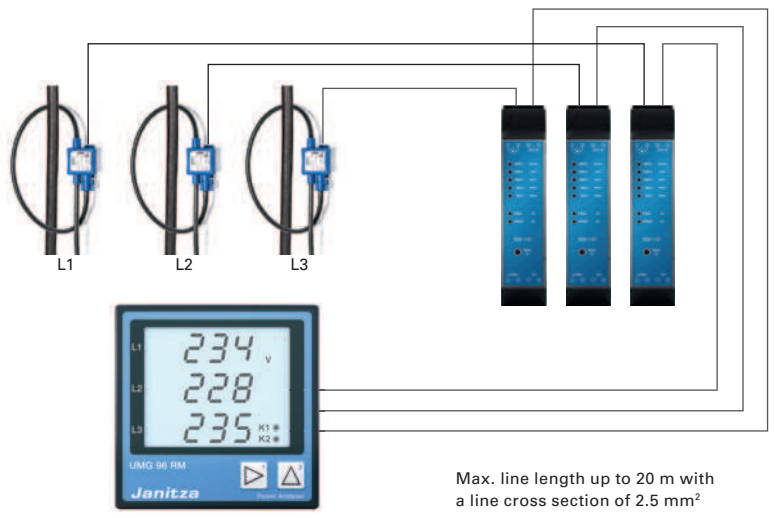
Rogowski current transformer and measurement transducer

Measurement transducer for Janitza Rogowski current transformer	Item no. 15.03.613
Dimensions	22.5 x 100 x 110 mm (W x H x D)
Weight	approx. 0.2 kg
Power supply	24 V DC (18 to 36 V) / 1 A
Current draw	< 300 mA (with 1 A output current) < 80 mA (without output current)
Input	Janitza Rogowski coil max. 90 mV (4000 A range)
Current metering ranges	1 to 4000 A 1 to 2000 A 1 to 1000 A 1 to 500 A 1 to 250 A
Metering range setting (button) LED (yellow)	Wear-free metering range selection via micro-controller and PGA
Operating and metering range display	via 6 LED (green)
Phase angle	< 1°
Linearity error at 50 Hz Measuring error at 50 Hz	< 0.2% in all metering ranges < 0.2% in all metering ranges
Input impedance	10 k Ω in all metering ranges
Signal output	0 to 1 A
Measurement range exceeding	110%
Burden	0 to 1.5 Ohm
Linearity error burden 0 to 1.5 Ohm	< 0.02%
Alarm output	24 V DC / 200 mA (floating potential optical output, open with fault)
Alarm messages (via red LED)	Overload (range exceeding) Burden too great (output circuit) Undervoltage (24 V)
Alarm delay	60 seconds
Protection type	IP30
Ambient temperature	–20°C to 70°C
Installation position	Vertical; if multiple devices are used next to each other then a minimum distance of 5 mm must be maintained between the devices (heat development)
Storage temperature	–25°C to 85°C

Example connection of Rogowski current transformer with measurement transducer on UMG 96RM



Max. line length up to 20 m with a line cross section of 2.5 mm²