

RI-FIG3-1A

Rowgowski Coil to 1A Converter



- DIN rail mounted
- Output 1A rms
- High bandwidth for measurement - 30 to 50kHz
- High accuracy

Product Description

RI-FIG-1A is a Rogowski to 1A converter, designed to use with existing monitoring equipment with a 0-1A CT input. Coils are produced in many sizes from 16mm to 600mm diameters as standard. Unlike traditional CT these coils do not suffer from magnetic saturation.

Rogowski coils benefits from a thin, light-weight, flexible, clip-around Rogowski type CT and are particularly useful in tight restrictive spaces where a traditional CT would not work. These coils are Safe installation and operation: no dangerous open circuit voltages.

Parameters

100A	: 1A - Pre-calibrated
150A	: 1A - Pre-calibrated
200A	: 1A - Pre-calibrated
300A	: 1A - Pre-calibrated
600A	: 1A - Pre-calibrated
630A	: 1A - Pre-calibrated
800A	: 1A - Pre-calibrated
1000A	: 1A - Pre-calibrated
1500A	: 1A - Pre-calibrated
2000A	: 1A - Pre-calibrated
2500A	: 1A - Pre-calibrated
3000A	: 1A - Pre-calibrated
4000A	: 1A - Pre-calibrated
5000A	: 1A - Pre-calibrated
6000A	: 1A - Pre-calibrated
8000A	: 1A - Pre-calibrated
9000A	: 1A - Pre-calibrated

General

Rated current (rms)	100A, 150A, 200A, 300A, 600A, 630A, 800A, 1000A, 1500A, 2000A, 2500A, 3000A, 4000A, 5000A, 6000A, 8000A, 9000A,
Bandwidth	30Hz...5kHz (-3dB)
Phase shift	<0.5 degrees @ 50Hz
Accuracy (typ.)	±1.0% of reading
Rated burden	5Ω each phase

Input

Input power	for 5Ω burden, 100% rated current, 13W for 1.25Ω burden, 100% rated current, 3.5W
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Auxiliary Supply

Supply voltage (wide input)	12Vdc (±20%)
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Outputs

Rated output (full scale FS)	1A rms
Output limit	120% FS (1.2A rms)

Environmental Conditions

Operating temperature range	-20°C...+50°C (integrator electronics) -20°C...+80°C (coil and cable)
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Mechanical

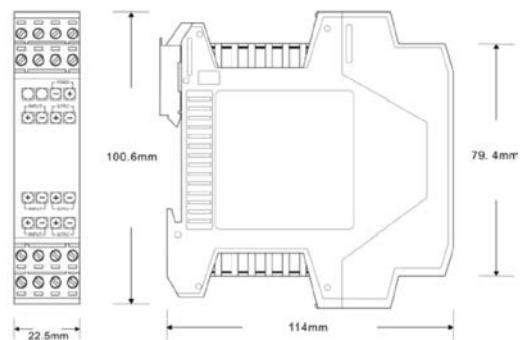
Coil sizes	16mm, 24mm, 36mm, 100mm, 200mm, 510mm (custom lengths available on request)
Cable length (coil to electronics)	1m or 5m (custom lengths available on request)

Accessories

A range of Rogowski Coils are available with coil lengths from 16mm to 510mm and cable lengths of 1m to 5m (custom sizes available on request).



Dimensions



Model Selection Table

Type	Model
Rogowski to 1A converter	RI-FIG3-1A