



Data sheet | Item number: 855-9100/2000-000

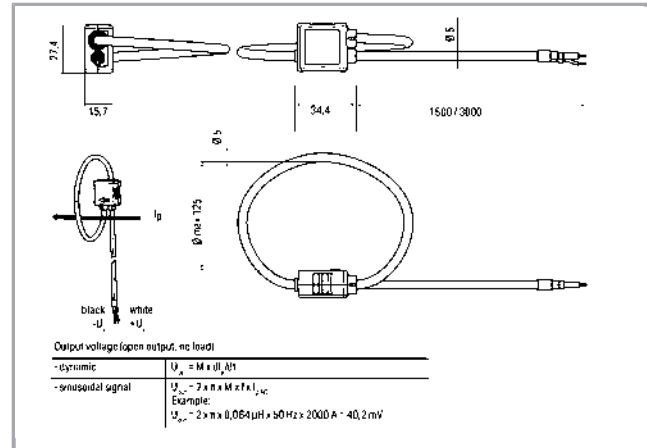
Rogowski coil; Primary rated current: 2000 A; Output signal: 40.2 mV; Cable length: 1.5 m

www.wago.com/855-9100_2000-000



RoHS
Compliant

BOMcheck.net



Item description

Short description:

This Rogowski coil is a closed-air coil with non-magnetic split core, and is placed around a cable or current bar.

The magnetic field produced by the AC current flowing through the conductor induces an output voltage in the coil.

This measurement procedure electrically isolates the primary circuit (power) and secondary circuit (measurement).

Easy mounting of the Rogowski coils allows existing systems to be retrofitted without time-consuming installation or process interruption.

The Rogowski coil can be used together with the 857-552 Rogowski Signal Conditioner.

Features:

- Split-core style coil for easy installation
- 125 mm Ø coil aperture for non-contact measurement
- 1.5 m or 3 m connection cable
- Insulated plastic case (UL 94-V0 recognized)

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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Data

Technical Data

Input – current transformer

Primary rated current	2000 A
Rated frequency	50 Hz
Mutual inductance M	64 nH

Output – Analog

Sensitivity	40.2 mV (at 2000 A; 50 Hz, sinusoidal)
Max. output signal	30 V

Signal processing

Max. operating frequency	500 kHz (open output (no load))
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Measurement error

Positioning error	±0,7 %
Temperature coefficient	≤ 30 ppm/K; related to transfer ratio M

Safety and protection:

Rated insulation voltage	300 VAC _{rms} (Cat. III)
Comparative Tracking Index (CTI, group I)	600 V (plastic parts)
Voltage for isolation test	AC 3,5 kV; 50 Hz; 1 min
Impulse withstand voltage (1.2/50 µs)	6.5 kV
Protection class	IP2X

Geometrical Data

Cable length	1.5 m
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Mechanical data

Type of mounting	Split-core current transformer (suspended)
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Material Data

Weight	90 g
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Environmental Requirements

Surrounding air (operating) temperature	-40 ... 80 °C
Surrounding air (storage) temperature	-40 ... 80 °C
Relative humidity	≤ 90% (without condensation)
Max. operating altitude	2000 m

Standards and specifications

Conformity marking	CE
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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821579793
Customs Tariff No.	90309000000

Counterpart

Compatible products

General accessories

	Item no.: 789-654 Current signal conditioner; Input for Rogowski coils; 2,50 mm2	www.wago.com/789-654
	Item no.: 857-552 Current signal conditioner; Input for Rogowski coils; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm²	www.wago.com/857-552

Downloads

Documentation

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAE data

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This item has been discontinued and as of 05.07.2019, can no longer be delivered.



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WSCAD Universe 855-9100/2000-000

URL

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Installation Notes

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