

Rogowski Coil 450mm Length, 100mV/1kA@50Hz, Yellow, 3m Cable, Calibrated

KATALOGNUMMER

ROG450



Flexible, lightweight, and easy to install, nVent ERIFLEX Rogowski coils are ideal for retrofitting and energy monitoring applications. These sensors have been used for decades to measure alternating current (AC) with high accuracy and reliability.

Thanks to their air-core design, Rogowski coils eliminate the need for a magnetic core, resulting in a non-saturating, flexible structure that can be easily looped around conductors. This design ensures precise measurement of the AC component without distortion, even under high current conditions.

The Rogowski coil operates on a simple yet effective principle: an air-cored toroidal coil is placed around the conductor. The magnetic field generated by the AC current induces a voltage in the coil, which is proportional to the rate of change of the current. This signal is then integrated electronically to produce an output that is directly proportional to the current flowing through the conductor.

SERTIFISERINGER



FUNKSJONER

Flexible AC current sensor, ideal for both new installations and retrofit applications

Quick and simple installation, even on large-diameter cables or conductors. Compact, space-saving, and user-friendly

High system uptime enabled by non-intrusive installation. No need to disconnect or dismantle existing components

Secure fit on busbars, round conductors, and all types of ERIFLEX conductors including Flexibar, FleXbus, and IBSB

Excellent linearity with no saturation and no upper current limit, ensuring reliable performance across a wide range of applications

Live installation capability: can be mounted while the system is energized, ensuring service continuity with no downtime or mechanical constraints

Supplied with mounting bracket and plastic ties for fast and secure attachment

PRODUKTEGENSKAPER

Artikkelnummer: 509002

Materiale i yttermantel: Termoplastisk polyuretan UL94-V0

Farge: Gul

Maks. strøm: 100kA

Sløyfemotstand: 70 - 900 Ω

Strømmålingsnøyaktighet: Klasse 0.5-A1 i henhold til IEC 61869-10

Frekvens: 50 - 60 Hz

Utgangstilkobling: Skjermet 3 x 22 AWG

Beskyttelsesgrad: IP67

Driftstemperatur: -30 to 80 °C

Lagringstemperatur: -40 to 80 °C

Installasjon: Intern;Innendørs

Samsvarer med: IEC 60529

Diameter: 14mm

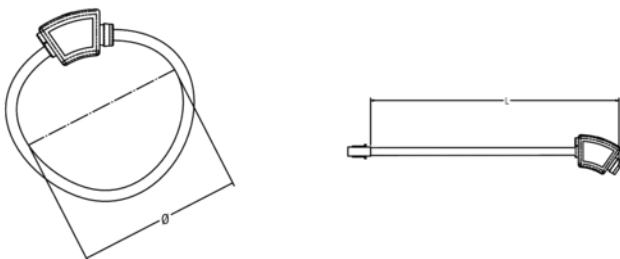
Lengde (L): 450mm

Kabellengde: 3m

Enhetsvekt: 0.16 kg

	ROG300	ROG350	ROG450	ROG550	ROG600	ROG800
Cord diameter	8.3 $\pm$ 0.2 mm					
Fastening system	Bayonet holder for secure and easy mounting					
Nominal output	100 mV/kA @ 50 Hz (RMS)					
Overvoltage category	1000 V CAT III / 600 V CAT IV					
Insulation test voltage	7400 V RMS for 5 seconds					

DIAGRAMMER



ADVARSEL

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Nord-Amerika

+1.800.753.9221

Alternativ 1 –

Kundeservice

Alternativ 2 – Teknisk
støtte

Europa

Nederland:

+31 800-0200135

Frankrike:

+33 800 901 793

Europa

Tyskland:

800 1890272

Andre land:

+31 13 5835404

APAC

Shanghai:

+ 86 21 2412 1618/19

Sydney:

+61 2 9751 8500



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