

## Rogowski coil set (4 pieces)

111.7030

► Rogowski coil set (4 pieces) for PQ-Box

### 1. Use

These Rogowski coils are designed for the measurement of current up to 1500A in low voltage systems. Measurements in medium voltage systems with insulated conductors are also possible.



### 2. Electrical Properties

Rated current $I_N$	:	4 x 1500A AC <sub>RMS</sub>
Measurement range	:	1 - 1500A <sub>RMS</sub>
Output	:	85mV / 1000A at 50 Hz
Internal resistance	:	170 Ω, ± 15 Ω
Impedance	:	≥ 10kΩ
Influence of conductor positioning	:	± 1%
Accuracy (at 25°C, 50Hz)	:	± 0,5%
Linearity (10...100% of measurement range)	:	± 0,2%
Influence el. field (distance > 10cm)	:	± 0,25%
Repeat accuracy	:	± 0,5%
Angle error at 45...65Hz	:	± 1°
Frequency range	:	40Hz to 20kHz
Temperature coefficient	:	0,05% / °C
Permissible voltage	:	1000 V AC <sub>RMS</sub> , CAT III

### 3. General Properties

Coil length, diameter	:	4x 400mm, 125mm
Coil body diameter	:	8,3mm
Coil material	:	Thermoplastic UL94-V0
Connection	:	Cable with Amphenol plug C01630H00611012
Identification resistance	:	> 100 MOhm
Cable length	:	2 m
Operation temperature	:	-30 to +80 °C
Storage temperature	:	-40 to +80 °C
Humidity, in operation	:	15% to 85% (no condensate)
Protection class	:	IP67
Weight	:	620g

### 4. Connection

Pin 1	L1 (+) Black	Pin 5	L1, L2, L3, N (-) Red
Pin 2	L2 (+) Black	Pin 6	Not connected
Pin 3	L3 (+) Black	Pin 7	Shielding, Bridge to Pin 5
Pin 4	(N) (+) Black		

### 5. Safety Standard

EN 61010-1: 2001

EN 61010-031: 2002

EN 61010-2-031: 2002

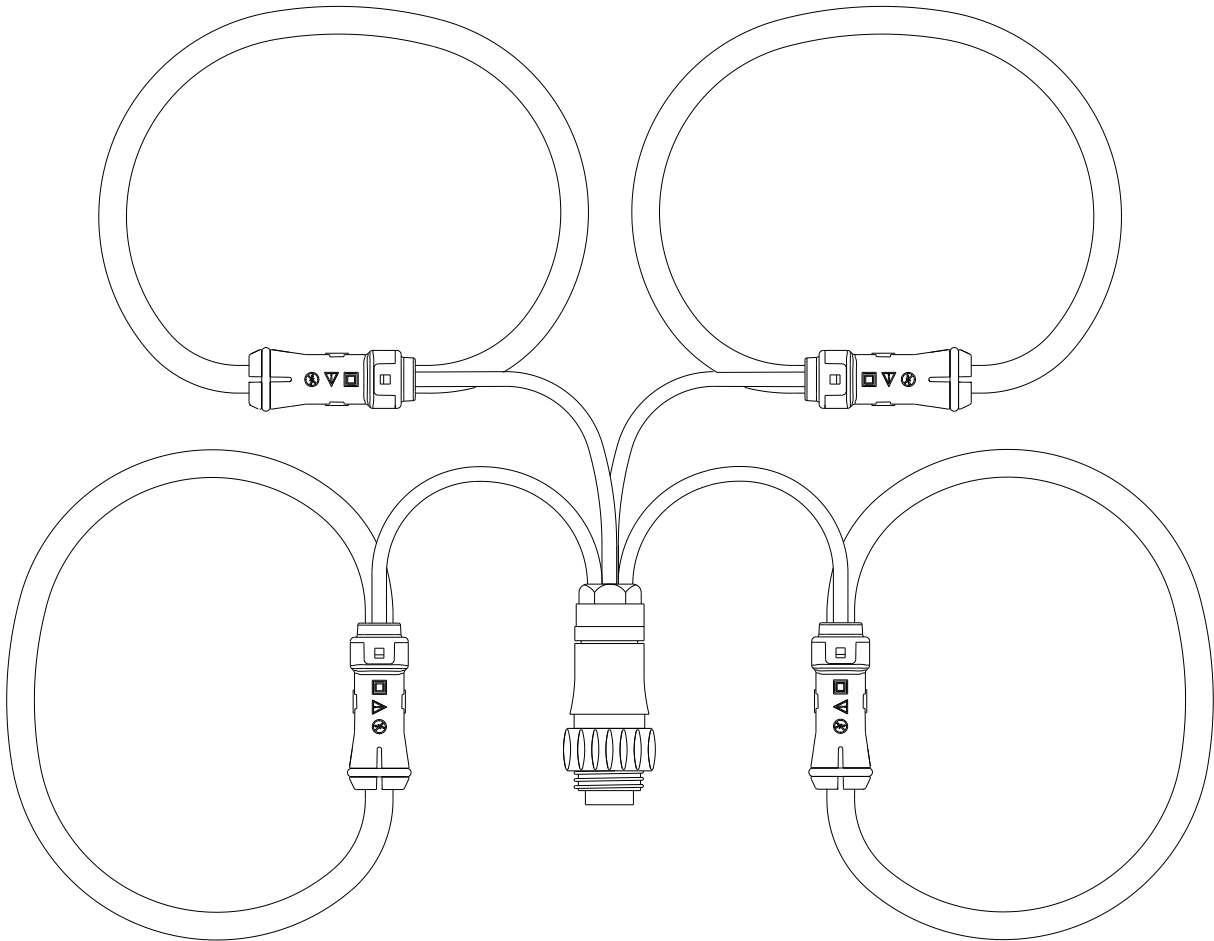
EN 61010-2-032: 2002

1000 V<sub>RMS</sub>, CAT III

600 V<sub>RMS</sub>, CAT IV

The usage of these Rogowski coils at uninsulated conductors is limited to voltages of max 1000 V AC<sub>RMS</sub> and frequencies to 1 kHz.

## 6. Dimensions



We take care of it.

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## 7. Ordering Information

FEATURE	ORDER CODE
<b>Rogowski coil set (4 pieces)</b> ● Rogowski coil set (4 pieces), 1...1500A	<b>111.7030</b>

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