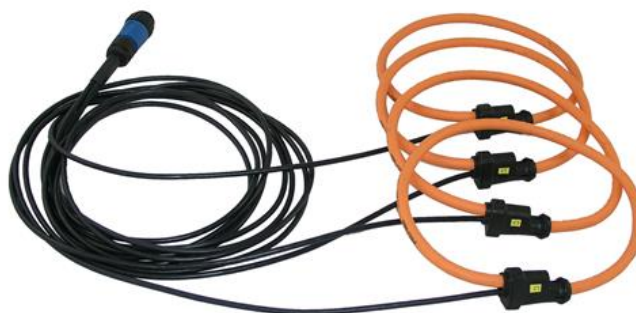


Rogowski coil set CAT IV

111.7006

► Rogowski coil set for PQ-Box



1. Use

These Rogowski coils are designed for the measurement of current up to 6000A in low voltage systems. Measurements in medium voltage systems with insulated conductors are also possible.

2. Electrical Properties

Rated current I_N	:	4 x 6000A AC_{RMS}
Measurement range	:	1 - 6000A $_{RMS}$
Output	:	42,5mV / 1000A at 50 Hz
Internal resistance	:	237 Ω , \pm 23 Ω
Impedance	:	\geq 10k Ω
Influence of conductor positioning	:	\pm 2%
Accuracy (at 25°C, 50Hz)	:	\pm 0,5%
Linearity (10...100% of measurement range)	:	\pm 0,2%
Influence el. field (distance > 10cm)	:	\pm 0,25%
Repeat accuracy	:	\pm 0,5%
Proximity error	:	\leq 15mA / A @ 50Hz
Angle error at 45...65Hz	:	\pm 1 Grad
Frequency range	:	10Hz to 20kHz
Temperature coefficient	:	0,05% / °C
Permissible voltage	:	1000 V AC_{RMS} , CAT III

3. General Properties

Coil length, diameter	:	4x 910mm, 291mm
Coil body diameter	:	9,9mm
Coil material	:	Alcryn 2070 NC, LATENE 7H2W V0
Connection	:	Cable with Amphenol plug C01630H00611012
Identification resistance	:	48kOhm (between Pin 6 auf 5)
Cable length	:	2 m
Operation temperature	:	-20 to +80 °C
Storage temperature	:	-40 to +90 °C
Humidity, in operation	:	15% to 85% (no condensate)
Protection class	:	IP65
Weight	:	820g

4. Connection

Pin 1	L1 (+) Black	Pin 5	L1, L2, L3, N (-) Red
Pin 2	L2 (+) Black	Pin 6	47kOhm to Pin 5
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

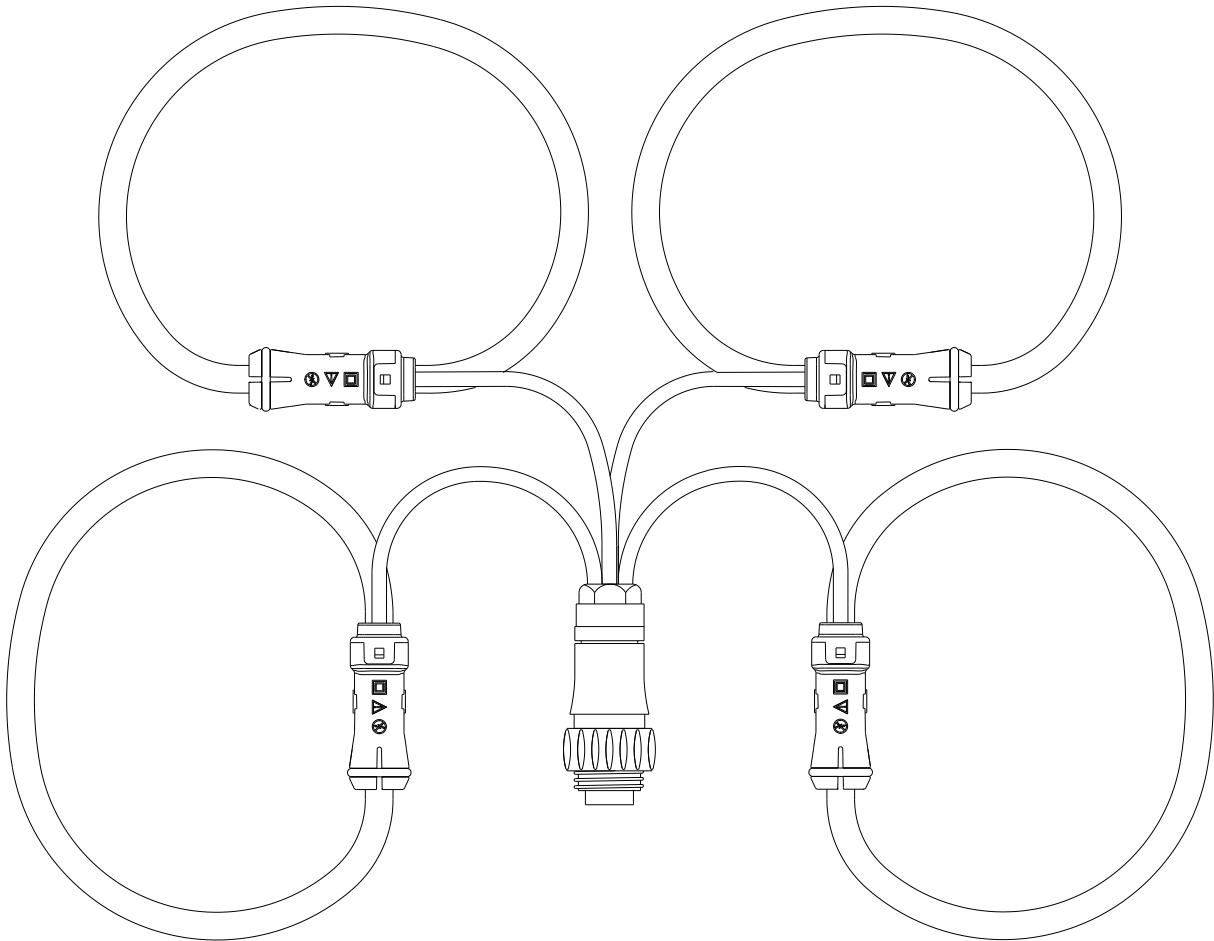
EN 61010-2-032: 2002

1000 V_{RMS}, CAT III

600 V_{RMS}, CAT IV

The usage of these Rogowski coils at uninsulated conductors is limited to voltages of max 1000 V AC_{RMS} and frequencies to 1 kHz.

6. Dimensions



We take care of it.

7. Ordering information

FEATURE	ORDER CODE
Rogowski coil (set of 4) ● Rogowski coil (set of 4), 1...6000A	111.7006

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