ELEQ mastering electricity worldwide

Flexible Rogowski

The ELEQ Rogowski coils are flexible current transformers based on the Rogowski principle. Due to its specific features, a Rogowski coil is an extremely comfortable solution for current measurement and can be used in a wide range of applications where traditional current transformers are not the adequate solution due to size, weight or due to limited access. ELEQ Rogowski coils are shielded against the influence of external magnetic fields, which grants a stable measurement from low currents to hundreds of kA uniform at any position of the conductor inside the coil. In addition, an multiscale Rogowski integrator is available, which in combination with ELEQ's Rogowski coil is suitable for high power load analysis, impulsive current monitoring, and DC ripple measurement.

Technical Specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Outdoor use
Operating temperature:	-30°C .. +80°C
Storage temperature:	-40°C .. +80°C
Relative humidity:	0% .. 95%
Altitude:	Max. 2000m above sea-level
Protection degree:	IP68
Application conditions	
Standard:	IEC 61010-1; IEC 61010-2-032; IEC 60529
In accordance with:	CE
Electrical characteristics	
Nominal output rate (RMS values):	100mV / kA @ 50 Hz
Coil resistance:	70 ... 900 Ω
Accuracy:	Class 1-A1 according to IEC 61869-10
Frequency:	50/60 Hz
Overvoltage category:	1000 V CAT III, 600 V CAT IV
Pollution degree:	3
Insulation test voltage:	7400 VRMS / 5s
Cable length:	3m calibrated
Weight:	150…500 gram

Ordering Specifications

Article Number	Ratio	Coil detail	
		Length (mm)	Internal diameter (mm)
t.b.d.	100mV/1kA	250	~70

Provided with an accessory to secure the coil to the busbar.

Wiring Diagram