ELEQ mastering electricity worldwide

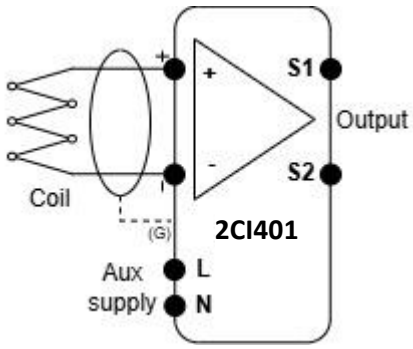
Multiscale Rogowski integrator

The multiscale Rogowski coil integrator is a current converter in a compact DIN rail enclosure, powered directly from the mains. An integrator is essential to equalize and shift the output signal from the Rogowski coils by 90°.The Multiscale Rogowski coil integrator can be combined with any model and size of ELEQ Rogowski coil products. The integrator is provided with a push button for an easy scale selection (up to 100, 500, 1000, 5000A), providing a wide range of applications with a single coil and integrator.

Ordering Specifications

Article number	Description
2CI401	Multiscale Rogowski integrator

Wiring Diagram



Technical Specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Operating temperature:	-25°C .. +55°C;
Storage temperature:	-25°C .. +70°C
Relative humidity:	0% .. 80%
Protection degree:	IP20
Application conditions	
Power supply:	Auxiliary
Range:	85 ... 265 VAC
Frequency:	50/60 Hz
Consumption:	6.5VA Nominal
	20VA max in overload condition
Safety:	300V CAT III
Size and weight:	115x100x23mm, approx. 122 g
Standard:	
Safety:	IEC/EN 61010-1:2010-10
EMC:	IEC/EN 61326-1:2012
Electrical characteristics	
Input:	100 mV / kA @ 50 Hz (RMS values).
AC output:	1A RMS @ full scale
Crest factor:	2
Selectable scales:	100A, 500A, 1000A, 5000A
Bandwidth:	40-3200 Hz
Accuracy:	1.5% @ 5% full scale
	<1% @ full scale
Phase error:	< 0.1° with 40...150 Hz range
	< 1° with 150...1000 Hz range
	< 2° with 1000...3200 Hz range