ELEQ mastering electricity worldwide

TQ105 - Split-core Current Transformer

TQ105 is a very compact split-core current transformer suitable for low voltage systems. The unit is easy to install while the top part can be removed entirely. This makes the unit also very suitable for use with isolated cables with conus connector in medium voltage systems. Also, the units are compact and can be mounted besides each other for a phase distance of 105 mm or more. The TQ105 can be used in new as well as in existing installations and its accuracy results in highly accurate current measurements.

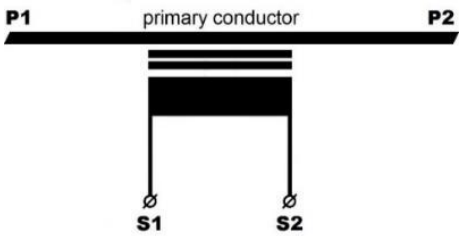
Technical specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Ambient temperature:	-40°C .. +60°C
Relative humidity:	5% .. 85%, non condensing
Protection degree:	IP20
Only suitable for insulated conductor	
Application conditions	
Standard:	IEC61869-2
Rated short-time thermal current (Ith):	100 x In/1s
Continuous thermal current (Ith):	100%
Rated insulation level:	0,72/3/-kv
Rated frequency:	50/60Hz
Class of insulation:	E
Primary window dimensions:	Max. Ø 50 mm
Secondary terminal:	Screw terminals (max 2Nm)

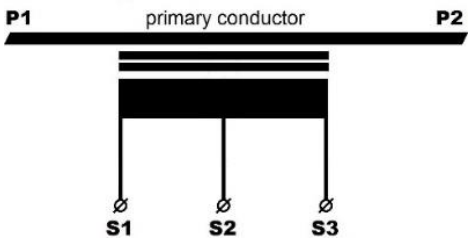
Ordering specifications

Ratio	Class	Burden (VA)	Article number
300/1A	5P10	2,5	4Q10G92
400/1A	5P20	2,5	4Q10G93
500/1A	5P20	2,5	4Q10G94
600/1A	5P20	2,5	4Q10G95
800/1A	5P20	2,5	4Q10G96
600-800/1A	5P20	2,5	4Q10G00

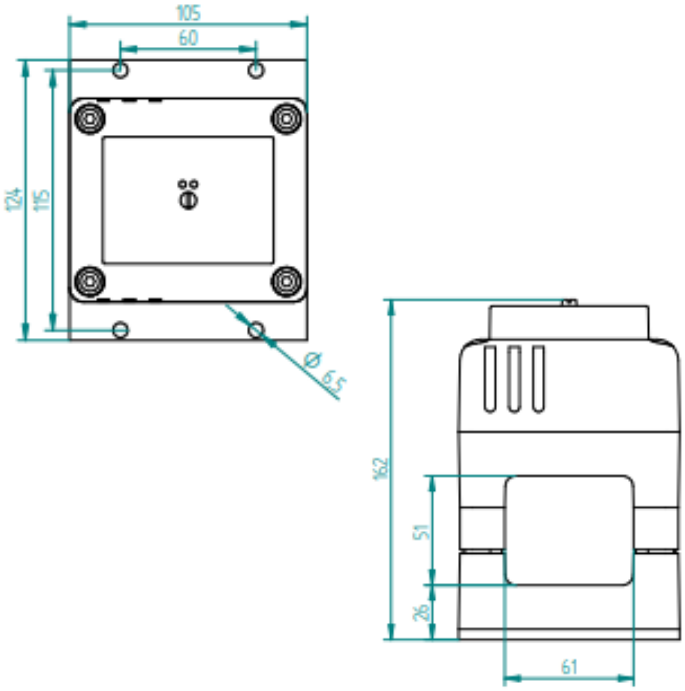
Wiring diagram



For a transformer with a double ratio:



Dimensions



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