

## TQ50 - Split-core Current Transformer

The very compact ELEQ TQ50 split-core current transformer is especially designed for connection to digital measurement systems. The TQ50 is supplied with color coded secondary leads. All TQ50 current transformers are capable of supplying the specified burden at the end of the secondary leads. The accuracy of these current transformers results in highly accurate power measurements. Correct closing of the current transformer is guaranteed by a distinct sound of a “click”. If necessary the complete back part can be removed easily for mounting in narrow situations. Two ty-raps included for easy assembling the current transformer on the primary conductor.



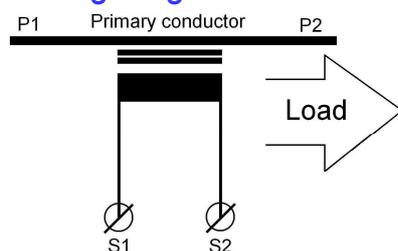
### Ordering specifications

Ratio	Class	Burden <sup>1</sup>	Article number TQ50-E	Article number TQ50-L
250/1A	1	0.5VA	4Q5E10	4Q5L10
300/1A	1	0.5VA	4Q5E11	4Q5L11
400/1A	0.5	0.5VA	4Q5E12	4Q5L12
500/1A	0.5	0.5VA	4Q5E13	4Q5L13
600/1A	0.5	0.5VA	4Q5E14	4Q5L14
750/1A	0.5	0.5VA	4Q5E15	4Q5L15
800/1A	0.5	0.5VA	4Q5E16	4Q5L16
1000/1A <sup>2</sup>	0.5	0.5VA	4Q5E17	4Q5L17
300/5A	1	0.5VA	4Q5E61	4Q5L61
400/5A	1	0.5VA	4Q5E62	4Q5L62
500/5A	1	0.5VA	4Q5E63	4Q5L63
600/5A	0.5	0.5VA	4Q5E64	4Q5L64
750/5A	0.5	0.5VA	4Q5E65	4Q5L65
800/5A	0.5	0.5VA	4Q5E66	4Q5L66
1000/5A <sup>2</sup>	0.5	0.5VA	4Q5E67	4Q5L67

<sup>1</sup> Burden specified at the end of the secondary leads

<sup>2</sup> Operating temperature -10°C .. +40°C

### Wiring diagram



### Technical specifications

#### Environmental conditions

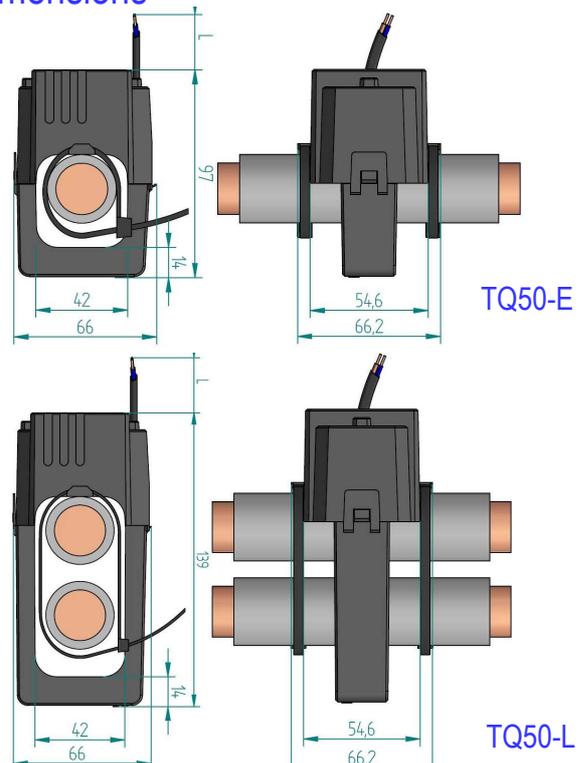
This product is designed to be safe under the following conditions:

Location:	Indoor use
Ambient temperature:	-10°C.. +55°C
Relative humidity:	5%..85%, non condensing
Protection degree:	IP20
Only suitable for insulated conductor	

#### Application conditions

Standard:	IEC 60044-1
Rated short-time thermal current (I <sub>th</sub> ):	60 x I <sub>n</sub> /1s
Continuous thermal current (I <sub>cth</sub> ):	100%
Rated insulation level:	0,72/3/-kv
Rated frequency:	50/60Hz
Class of insulation:	E (+120°C)
Primary window dimensions:	TQ50-E Ø 42 mm TQ50-L Ø 42 mm * 84 mm
Secondary leads:	1A: L=3m cable 0,5mm <sup>2</sup> flexible 5A: L=3m cable 1,5mm <sup>2</sup> flexible

### Dimensions



TQ50 EN rev2.3