

Wide range mV output – Split-core LPCT

ELEQ's Low Power Current Transformers (LPCTs) with mV output, designed according to IEC 61869-10, offer a versatile and compact solution for today's measurement applications. Emphasizing flexibility, safety, and easy integration, these transformers are ideal for use in digital measuring systems. The mV output eliminates the need to short-circuit secondary wiring and ensures accuracy even with extended cables. The 'click' mechanism guarantees secure mounting. ELEQ provides various models suitable for a wide range of applications, without compromising international standards.



Technical specifications

<i>Environmental conditions</i>	
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	
<i>Application conditions</i>	
Standard:	IEC61869-10 (LPCT)
Rated short-time thermal current (I _{th}):	40 x I _n /1s (Nominal current)
Continuous thermal current (I _{th}):	100% (Nominal current)
Rated insulation level:	0,72/3/- kV
Rated frequency:	50 Hz
Class of insulation:	E (120 °C)
Primary window dimensions:	For conductor: Ø18 mm, 28 mm, 42 mm
Secondary terminal:	.../333 mV: L=5 m cable 0,50 mm ²
Overvoltage category:	CAT IV 300 V (TQ30) CAT IV 600 V (TQ40/TQ50)

Ordering specifications*

Ratio	Model	Class	Burden	Article number	Nominal current (for class)	Applicable current range
250 A/333 mV	TQ30	1	2MΩ, 50pF	4Q3B40E	60 – 250 A	3 - 300 A
400 A/333 mV	TQ40-C	0,5	2MΩ, 50pF	4Q4C42E	100 - 400 A	5 – 480 A
800 A/333 mV	TQ50-E	0,5	2MΩ, 50pF	4Q5E46E	200 - 800 A	10 - 960 A

Can be combined with 482754: Extension kit TQ 5 meters

For other specifications, contact us at sales@eleq.com

Wiring diagram

