

RM27 333mV – Low Power Current Transformer

Modern installations increasingly demand detailed current measurement, often with limited available space and for relatively low current values. Moreover, measurement accuracy remains crucial.

The ELEQ RM27 current transformer effectively meets these needs within a single, compact design, specifically designed for digital measurement systems. A key feature of this LPCT is the safety: the secondary lead does not need short-circuiting. Additionally, it supports long cable runs without increasing load or affecting the performance of the LPCT. For optimal results, ELEQ suggests using "twisted or shielded cables" (not included) to protect the cabling. The RM27 comes with a clamp-technology connector for easy installation of secondary leads. Optional: screw mounting or DIN-rail installation.

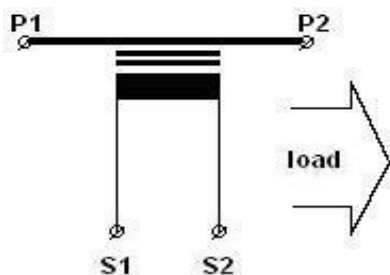


Order specifications

Ratio	Class	Burden	Article number
5 A/1 V	1*	2 M Ω , 50 pF	4R2749
Mounting Clip			411884

*Extended ratio tests were performed.

Wiring Diagram



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
Impact rating:	IK 07
<i>Application conditions</i>	
Standard:	IEC 61869-10
Rated short-time thermal current (I _{th}):	40 x A / 1 s
Rated continuous thermal current (I _{cth}):	120%
Rated insulation level:	0,72/3/-kV
Rated frequency:	50 Hz
Class of insulation:	E (+120 °C)
Primary window suitable for cable:	For conductor max. \varnothing 7,5 mm

Dimensions

