Low-voltage instrument current transformer

CLA 2.1

Type specific parameters

Primary current range	50 - 800 A
Primary bar	40x10 mm, 20x30 mm
Round conductor	ϕ 27 mm
Width	85 mm
Height	122,5 mm

General technical parameters

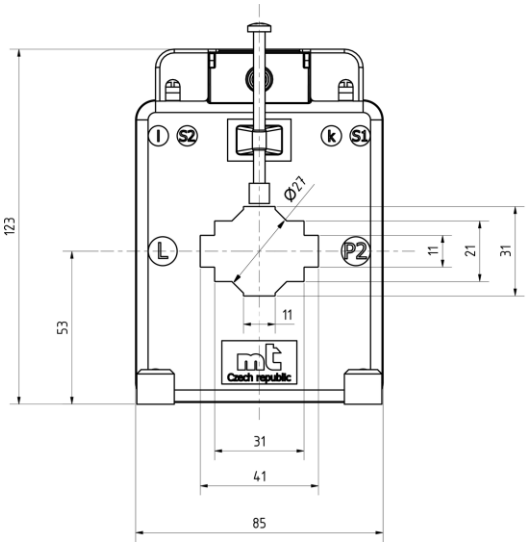
Insulation voltage	0,72 kV (higher upon request)
Insulation testing voltage	3 kV 1 min. (higher upon request)
Rated frequency	50 Hz (16 2/3 up to 400 Hz upon request)
Continuous rated current	120 % I_N (higher upon request)
Rated short-time thermal current	I_{th} = 60 x I_N (1 sec.)
Rated dynamic current	I_{dyn} = 2,5 x I_{th}
Insulation class	E
Operating temperature range	-25 °C to +40 °C
Protection rating	IP20
Standards	ČSN EN 61869-1, ČSN EN 61869-2, IEC EN 61869

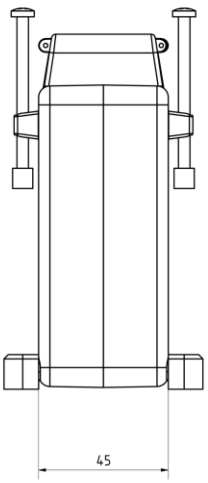
Low-voltage instrument current transformers are designed for use in low-voltage switchgear. The standard rated secondary current of the transformer is 5 A, but versions with a secondary current of 1 A can also be supplied. Accuracy classes 0,5 - 0,5S - 1 - 3 are intended for measurement circuits. Depending on the customer's specific requirements, transformers can also be supplied in more precise classes (0,1 - 0,2 - 0,2S) or in classes 5P or 10P for protection circuits with a higher accuracy limit factor. It is also possible to manufacture transformers with an extended current range (150%, 200%).

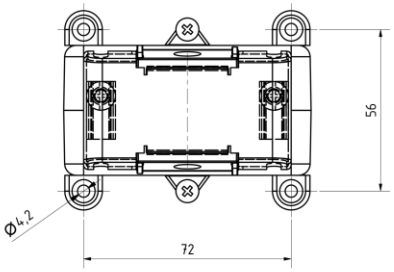
The transformers are encapsulated in a plastic housing made of flame retardant plastic. The materials used correspond to thermal insulation class E.

The transformers meet the requirements of ČSN EN 61869-2 and IEC 61869-2. They are approved for the measurement and billing of electrical energy consumption by the Czech Metrology Institute; the transformers can be verified or calibrated using direct differential method. Routine test report is provided upon request.

Sealing caps and mounting hardware comes included with the transformer.







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