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TOM-300-5

Mini Current Transformer 300-5A

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Single-phase.

With open core.

Transformer 300/5.

Power 1.5 VA.

The current transformer is used to proportionally change large current intensities to lower values, adapted to the measuring ranges of control and measuring devices.

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FUNCTIONING

DESCRIPTION

The conductor with the measured current passes through the main bore of the transformer (P1/P2).This is equivalent to one winding of the primary winding. The terminals of the secondary winding S1 and S2 are connected to the terminals of the measuring circuit of the control or measuring device.

The ratio of the currents in the two windings is a constant quantity.

This is the current ratio IPn/ISn=N, where

IPn - rated primary current;

ISn - rated secondary current;

N - gear ratio value.

From the value of the current flowing through the secondary winding, the value of the current flowing through the primary winding can be determined:

ISm*N=IPm, where

ISm - measured primary current;

IPm - measured secondary current.

NOTE

Recommended connection of the secondary system with a wire of not less than 2.5 mm² in diameter.

Recommended earthing of terminal S2.

It is forbidden to disconnect the secondary circuit during the operation of the transformer (possibility of high voltage resulting in shock to persons or damage to the equipment).

TECHNICAL DATA

Model	Attachable current transformer
Rated primary current	300 A
Rated secondary current	5 A
Rated secondary apparent power	1.5 VA
Calibrated	No
With contact protection	Yes
Snap mounting	No
With copper rail	No
Number of primary inputs	1
Overcurrent limiting factor	FS 5
Secondary connection	Cable
Height opening	0-24 mm
Width opening	0-23 mm
Accuracy class	1
Opening diameter	0 mm
Power consumption	0 W

CE Declaration

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