F&F Filipowski sp.k., ul. Konstantynowska 79/81, 95-200 Pabianice, tel.: +48 (42) 214 90 37, e-mial: biuro@fif.com.pl, www.fif.com.pl

TO-100-5

Current Transformer 100-5A, class 1

Index: TO-100-5

With open core. 100/5 transformer. 1,5 VA.

The current transformer is used for proportional change of high current strength to lower values, adapted to the measuring range of control and measuring devices.

FUNCTIONING

DESCRIPTION

Functioning

The cable with the measured current passes through the main opening of the transformer (P1 / P2), which is equivalent to one coil of the primary winding. The S1 and S2 terminals of the secondary windings are connected to the terminals of the measuring circuit of the control or measuring device.

The ratio of the strength of the currents in both windings is a constant value and is called the current ratio: IPn/ISn=N, where the IPn is rated primary current; ISn - rated secondary current; N - the value of the transmission. The value of the current flowing through the primary winding can be determined from the value of the current flowing through the secondary winding: ISm*N=IPm, wherein ISm - measured secondary current; IPm - measured primary current

Please note!

It is recommended to connect the secondary circuit by a wire with diameter of not less than 2.5 mm².

It is recommended to ground the S2 terminal.

It is prohibited to disconnect the secondary circuit during operation of the transformer (the high voltage that may appear pose a risk of electric shock to the people or damage to the device).

TECHNICAL DATA

Model	Attachable current transformer

Rated primary current	100 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	Screw connection
Height opening	0-32 mm
Width opening	0-21 mm
Accuracy class	1
Opening diameter	0 mm
Power consumption	0 W

Manual

REACH Declaration

RoHS Declaration

e-mail: biuro@fif.com.pl