

LOW VOLTAGE CURRENT TRANSFORMERS

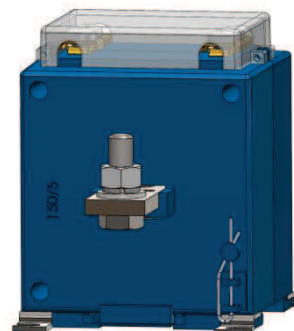
IWF (with a 20x5 bus)

CONSTRUCTION AND APPLICATION:

The IWF transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. The IWF transformers are designed to be mounted on a current circuit bus through primary terminals of the 20x5* transformer. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery.

The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.

All current transformers manufactured by F.A.E. „FANINA” S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client’s request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).



TECHNICAL DATA:

- Rated frequency f = 50 Hz
- Maximum permissible voltage of the device $U_m = 0.72$ kV
- Rated test voltage with a power-line frequency: 3 kV
- Insulation class: B
- Extended current range: 120%
- Rated short-term thermal current $I_{th} = 60 \times I_{pr}$
- Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$
- Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
- Operating temperature: $-35 \div + 55^\circ\text{C}$
- Degree of protection: IP 20, IK07

Current I_{pr}/I_{sr}	class 0,5		class 0,2		class 0,5S		class 0,2S	
	Power Sr (VA)	FS	Power Sr (VA)	FS	Power Sr (VA)	FS	Power Sr (VA)	FS
A/A	(VA)	-	(VA)	-	(VA)	-	(VA)	-
25/5	2,5; 5	5	-	-	-	-	-	-
30/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
50/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
60/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
75/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
100/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
125/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
150/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
200/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
250/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
300/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5
400/5	2,5; 5; 10	5	2,5; 5	5	2,5; 5	5	2,5; 5	5

* The IWF 400/5A transfer has a 20x7 [mm] primary terminal

ORDERING EXAMPLE:

IWF 100/5A; 5VA current transformer, class 0,5.

