

OUTDOOR CURRENT TRANSFORMERS

ISSN-70

CONSTRUCTION AND APPLICATION:

ISSN-70 current transformers are executed as single-phase on a ring core. They are used to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. They are adapted to outside operation in ambient temperatures from - 35 to +55°C. Thanks to covering in polyurethane resin, they are well protected against moisture and undesired structural interference.

The ISSN-70 outdoor current transformers are designed for installation directly on the cable or in the transformer tank.

They are equipped with a 4, 6 or 8 lm long 2x2.5 mm² connector cable and have a threaded M6 opening in the housing, used for fastening or positioning.

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

Transformer accuracy class parameters are measured on the ends of the connector cables.

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

3 kV rated test voltage with a power-line frequency

Insulation class: B

Extended current range: 120%

Rated short-term thermal current $I_{th} = 60 \times I_{pr}$

Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$

Protection rating: IP66, IK07

Casing material flammability class: V0

2x2.5mm² connector cable L = 4, 6 or 8 lm



Current I_{pr}/I_{sr}	Operating temperature	Class 0,5		Class 0,5S		Class 0,2		Class 0,2S	
		Power Sr	FS	Power Sr	FS	Power Sr	FS	Power Sr	FS
A/A	(°C)	(VA)	-	(VA)	-	(VA)	-	(VA)	-
150/5	- 35 ÷ + 55	2,5; 1	5	-	-	-	-	-	-
200/5		2,5; 1,5; 1	5	-	-	-	-	-	-
250/5		2,5; 1	5	2,5	5	2,5	5	2,5	5
300/5		1	5	-	-	-	-	-	-
400/5		5; 2,5; 1,5; 1	5	5; 2,5	5	2,5	5	2,5	5
500/5		5; 2,5; 1	5	5; 2,5	5	5; 2,5	5	-	-
600/5		5; 2,5; 1	5	5; 2,5	5	5; 2,5	5	5; 2,5	5
800/5		5; 2,5	5	5; 2,5	5	5; 2,5	5	5; 2,5	5
1000/5		5; 2,5; 1,5	5	5; 2,5	5	5; 2,5	5	5; 2,5	5

ORDERING EXAMPLE:

ISSN-70/8 600/5A; 2,5VA current transformer, class 0,2
(where ISSN-70/8 means the current transformer type/cable length)

