



**Instytut  
Energetyki**

**INSTITUTE OF POWER ENGINEERING  
– NATIONAL RESEARCH INSTITUTE**  
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AC 117

# **CERTIFICATE OF CONFORMITY**

**No. DZC.522.43.1.2024**

**Issue No. 01 of 2024.06.14**

*Name and address of the certificate holder:* **Fabryka Aparatury Elektromechanicznej „FANINA” S.A.  
ul. Jasynskiego 18  
37-700 Przemysl, Poland**

*Name of the product:* **Current transformers**

*Type:* **ISS-1**

*Manufacturer:* **Fabryka Aparatury Elektromechanicznej „FANINA” S.A.  
ul. Jasynskiego 18  
37-700 Przemysl, Poland**

*Parameters:* **According to the appendix**

*Application of the product:* **Indoor LV current transformers assigned for measurements**

*The product meets requirements of:* **IEC 61869-1:2007 (ed. 1.0), IEC 61869-2:2012 (ed. 1.0)**

*According to the reports made by:* **Instytut Energetyki**

*Number of the type test report:* **EWP/10/E/2015-1, EWP/07/E/2009, EWP/64/E/2007,  
EWP/21/E/2018**

*Period of validity:* **from 14<sup>th</sup> of June 2024 until 13<sup>th</sup> of June 2027**

The right to use the certificate of conformity within its validity period applies only to:

- these copies that meet the requirements specified above and have the same characteristics (parameters) as the model / product samples submitted for testing
- certificate holder or his authorized representative

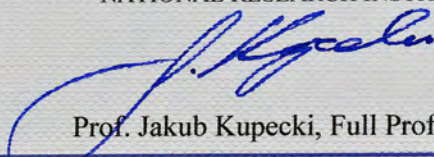
The list of evidenced parameters is included in the appendices to the certificate of conformity.

Number of appendices: 1

**THE SYSTEM OF PRODUCT CERTIFICATION PC\_1a (Program 1a acc. to PN-EN ISO/IEC 17067:2014-01)**  
(product parameters confirmed by type test)



DIRECTOR OF  
INSTITUTE OF POWER ENGINEERING  
– NATIONAL RESEARCH INSTITUTE

  
Prof. Jakub Kupecki, Full Professor

Warsaw, 2024.06.14



AC 117

**APPENDIX TO THE CERTIFICATE OF CONFORMITY**  
**No. DZC.522.43.1.2024**  
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**LIST OF EVIDENCED PARAMETERS**

<b>Indoor current transformer type</b>	<b>ISS-1-20, ISS-1-30, ISS-1-40, ISS-1-603, ISS-1-803</b>
Highest voltage of current transformer $U_m$	0,72 kV
Rated insulation level AC	3 kV
Rated frequency $f_R$	50 Hz
Rated primary current $I_{pr}$	75 A ÷ 1 500 A
Rated secondary current $I_{sr}$	5 A
Extended current rating	120%
Rated continuous thermal current $I_{cth}$	1,2 x $I_{pr}$
Rated short-time thermal current during 1s $I_{th}$	60 x $I_{pr}$
Rated dynamic current $I_{dyn}$	2,5 x $I_{th}$
Parameters of measurement cores <ul style="list-style-type: none"><li>• rated power <math>S_r</math></li><li>• accuracy class</li><li>• security factor FS</li></ul>	2,5 VA ÷ 10 VA 0,2S; 0,2; 0,5S; 0,5 FS5
Degree of protection of enclosure	IP20
Degree of protection of enclosure against external mechanical impacts	IK07
Insulation class	B

NOTES: -

