



**Instytut  
Energetyki**

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AC 117

# CERTIFICATE OF CONFORMITY

**No. DZC.522.49.2.2026**

**Issue No. 01 of 2026.05.15**

*Name and address of  
the certificate holder:*

**Electrotécnica Artech Hermanos, S.L.  
Derio Bidea 28 (PZ1)  
48100 Mungia (Vizcaya), Spain**

*Name of the product:*

**Outdoor HV current transformer**

*Type:*

**CA-123, CA-145**

*Manufacturer and place of  
manufacturing:*

**Electrotécnica Artech Hermanos, S.L.  
Derio Bidea 28 (PZ1)  
48100 Mungia (Vizcaya), Spain**

*Parameters:*

**According to the appendix**

*The product meets  
requirements of:*

**IEC 61869-1 ed. 1.0 (2007), IEC 61869-2 ed. 1.0 (2012)**

*According to the  
report made by:*

**Institute of Power Engineering – National Research Institute**

*Number of the product  
evaluation report:*

**DZC.522.49.2.2026**

*Period of validity:*

**from 15<sup>th</sup> of May 2026 until 14<sup>th</sup> of May 2029**

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

- these copies that have identical features, construction and equipment as the product samples submitted for testing
- certificate holder or his authorized representative

*The list of technical data 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)**



Certification Body Manager  
INSTITUTE OF POWER ENGINEERING  
– NATIONAL RESEARCH INSTITUTE

  
Dariusz Zienkiewicz, M.Sc. Eng

Warsaw, 2026.05.15

**APPENDIX TO THE CERTIFICATE OF CONFORMITY**  
**No. DZC.522.49.2.2026**  
**Issue No. 01 of 2026.05.15**  
**LIST OF EVIDENCED PARAMETERS**

<b>Current transformer type</b>	<b>CA-123</b>	<b>CA-145</b>
Highest voltage for equipment $U_m$	$\leq 123$ kV	$\leq 145$ kV
Rated insulation level	AC 230 kV / LI 550 kV	AC 275 kV / LI 650 kV
Rated frequency $f_R$	50 Hz	
Minimum creepage distance of the insulators: <ul style="list-style-type: none"> <li>• porcelain</li> <li>• composite</li> </ul>	4565 mm	4495 mm
Degree of protection against mechanical impacts of enclosure <sup>1)</sup>	IK10	
Degree of protection of the secondary terminals enclosure	IP55	
Load class	II	
Static withstand load	5000 N <sup>2)</sup> , 4000 N <sup>3)</sup>	
Rated primary current $I_{pr}$	$\leq 3000$ A	
Rated secondary current $I_{sr}$	1 A; 5 A	
Extended current rating	$\leq 200\%$	
Rated continuous thermal current $I_{cth}$	$\leq 3600$ A	
Rated short-time thermal current $I_{th}$	$\leq 80$ kA	
Rated dynamic current $I_{dyn}$	$\leq 200$ kA	
Parameters of measurement cores <ul style="list-style-type: none"> <li>• rated power <math>S_r</math></li> <li>• accuracy class</li> <li>• FS</li> </ul>	2.5 ÷ 30 VA	0.1; 0.2S; 0.2; 0.5S; 0.5; 1 FS5; FS10
Parameters of protection cores <ul style="list-style-type: none"> <li>• rated power <math>S_r</math></li> <li>• accuracy class</li> <li>• ALF</li> </ul>	2.5 ÷ 50 VA	5P; 10P; 5PR; 10PR; PX $\leq 60$

**NOTES:**

1. <sup>1)</sup> Does not apply to porcelain insulators, according to IEC 61869-1 ed. 1.0 (2007), p. 6.10.6
2. <sup>2)</sup> Applies to instrument transformers with porcelain insulators
3. <sup>3)</sup> Applies to instrument transformers with composite insulators

