



**Instytut
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AC 117

CERTIFICATE OF CONFORMITY

No. DZC.522.99.2.2025

Issue No. 01 of 2025.09.12

*Name and address of
the certificate holder:*

**PROTEKTEL Sp. z o.o.
ul. Piłsudskiego 92
06-300 Przasnysz**

Name of the product:

Surge arresters without gaps

Type:

PROXAR-IIW AC

Manufacturer:

**PROTEKTEL Sp. z o.o.
ul. Piłsudskiego 92
06-300 Przasnysz**

Parameters:

According to appendix

*The product meets
requirements of:*

IEC 60099-4:2014 (ed. 3.0)

*According to the
report made by:*

Institute of Power Engineering - National Research Institute

*Number of the evaluation
report:*

DZC.522.99.2.2025

Period of validity:

from 12th of September 2025 until 11th of September 2028

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

- those copies that have the 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, 2025.09.12



APPENDIX TO THE CERTIFICATE OF CONFORMITY
No. DZC.522.99.2.2025
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LIST OF EVIDENCED PARAMETERS OF THE PRODUCT

Rated voltage [U_r]	1,13 ÷ 30 kV
Continuous operating voltage [U_c]	0,9 ÷ 24 kV
Residual voltage at nominal discharge current [U_{res}]	2,8 ÷ 73,7 kV
Residual Voltage at switching impulse current [U_{ps}]	2,3 ÷ 60,4 kV
Nominal discharge current [I_n] (8/20 μ s)	10 kA
Switching current impulse (30/60 μ s)	1 kA
Discharge current withstand strength at: - high current impulse (4/10 μ s) - long-duration current impulse in 2 ms (based on Q_{rs})	100 kA 600 A
Short-circuit withstand current (0,2 s)	31,5 kA
Rated repetitive charge transfer rating [Q_{rs}]	1,6 C
Rated thermal energy [W_{th}]	7 kJ/kV (U_r)
Single impulse energy capability (virtual impulse duration 2 ms ÷ 4 ms)	3,5 kJ/kV (U_r)
Class and designation of the arrester	station – SM
Partial discharge level at $1,05 \times U_c$	$\ll 10$ pC ¹⁾
Mechanical endurance: - 1000 cycles (SLL) - bending moment (SSL)	350 Nm 560 Nm
Mechanical strength against torsional load	100 Nm
Power-frequency versus time characteristic (TOV)	positive result

NOTES: -

¹⁾During the initial measurements in the type tests, the results were less than 5 pC.

