

## Type Test Certificate

### of Short-Circuit Performance

Test object	Polymer-housed metal-oxide surge arresters
Designation	PA-DM Duty-cycle voltage rating 3 kV to 54 kV ; Rated short-circuit current 20 kA; Rated frequency 50/60 Hz
Manufacturer	JSC "Polymer-Apparat" Ak. Konstantinova Str.,1 195427 Saint-Petersburg – Russia Federation
Tested for	JSC "Polymer-Apparat" Ak. Konstantinova Str.,1 195427 Saint-Petersburg – Russia Federation
Date(s) of tests	October 21, 2016
Tested by	CESI S.p.A. Via Rubattino, 54 20134 Milano - Italy

The test object, constructed in accordance with the description, drawings and photographs incorporated in this document has been subjected to the series of proving tests in accordance with STL Guides and:

IEEE Std. C62.11-2012  
Sub-clause 8.18

This Type Test Certificate has been issued by CESI following exclusively the STL Guides.  
The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the Manufacturer as listed on the ratings page.  
The Certificate applies only to the test object. The responsibility for conformity of any equipment having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 5 sheet in total.

January 23, 2017

Date of issue	Beccarini Pierangelo <small>B7001208 2925 AUT</small> STL Member Laboratory	The Manager - Arcidiaco Lorenzo <small>B7001208 821814 APP</small> STL Member Document Digitally Signed
---------------	---	---

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the endorsed ratings of the test object, are permitted without written permission from CESI.  
The authenticity of this document is guaranteed by the integrity of hologram.

