

TYPE TEST CERTIFICATE

APPROVED

B1038195

Type Test Certificate of Complete type test

Apparatus Toughened glass cap & pin insulator units for a.c. systems

Designation E240/170

Mechanical failing load: 240 kN
 Wet power frequency withstand voltage (for a short string of 5 units): 135 kV
 Dry lightning impulse withstand voltage (for a short string of 5 units): 440 kV

Manufacturer SGD LA GRANJA VIDRIERIA S.L.
 Paseo del Pocillo s/n 40100 Granja, Spain

Client SGD LA GRANJA VIDRIERIA S.L.
 Paseo del Pocillo s/n 40100 Granja, Spain

Tested by CESI S.p.A: Milan, Italy

Tests date from January 10, 2011 to February 4, 2011

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in the reference documents identified in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 60383-1: 1993 Clauses 13, 14, 17, 19, 20

This Type Test Certificate has been issued by CESI in accordance with above mentioned Standard(s). The results are shown in the record of Proving Tests and the oscillograms attached in the Test Reports. 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 page No. 3.

The Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

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Issue date December 12, 2011

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B1038195 180009 VER B1038195 3025 VER

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CESI S.p.A.
 Testing & Certification Division
 Testing Operations Area
 "Milan Platform"
 Manager

PUBBLICATO B1038195 (PAD - 1579638)

Mod. RPRO v. 8