

Test Certificate of complete type tests

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

Designation E160/146

Mechanical failing load: 160 kN;
 Wet power frequency withstand voltage (for a short string of 5 units): 175 kV_{rms}
 Dry lightning impulse withstand voltage (for a short string of 5 units): 410 kV_{pk}

Manufacturer Saint-Gobain La Granja, S.L. - La Granja (Segovia) - Spain

Tested for Saint-Gobain La Granja, S.L. - La Granja (Segovia) - Spain

Date(s) of tests from September 23, 2005 to October 14, 2005

Tested by CESI S.p.A. - Milano - ITALY

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 (1993-04)
 Section 8

This Test Certificate has been issued by CESI in accordance with above mentioned Standards.

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 Standards and to justify the ratings assigned by the Manufacturer as listed on page No.2 .

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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ARIT 5-

CESI
 CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO
 Business Unit
 Prove e Componenti
 Il Responsabile del Laboratorio