

**test certificate of** complete type test

**apparatus** Metal-oxide surge arresters without gaps for a.c. system fitted with disconnectors

**designation** PDV-100  
rated voltage 3 to 48 kV; nominal discharge current 10 kA;  
line discharge class 1: rated frequency 50-60 Hz

**manufacturer** Hubbell Power Systems (The Ohio Brass Company)  
Wadsworth, OH (USA)

**tested for** Hubbell Power Systems (The Ohio Brass Company)  
Wadsworth, OH (USA)

**date(s) of tests** May 02, 2001 to June 22, 2001

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 60099-4 (1998)

this type 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 oscillogram 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.

only integral reproduction of this certificate, or reproductions of this page accompanied by any pages on which are stated the endorsed ratings of the apparatus tested, are permitted without written permission from CESI.

**no. of pages** 3

**issue date** July 17, 2001

**prepared** TEST - A. Sironi

**verified** TEST - V. Scarioni

**approved** TEST - V. Scarioni

*Alberto Sironi*

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