

**Test Certificate of** Verification of temperature-rise limits  
Verification of dielectric proprieties  
Verification of short-circuit withstand strength of the main circuit  
Verification of the protective circuit:  

- Verification of the effective connection between the exposed conductive parts of the assembly and protective circuit
- Verification of the short-circuit withstand strength of the protective circuit

Verification of clearances and creepage distances

**Tested samples/items** Low-voltage switchgear and controlgear assembly, three-phase with neutral bar, multi-cubicle type

**Designation** PC/MCC ORTEC 100  
Rated voltage 415 V ; Rated normal current 3000-1200 A ; Rated frequency 50 Hz

**Manufacturer** ORTEC INDUSTRIALE S.p.A. - Via dei Pescatori - Genova - ITALY

**Client** ORTEC INDUSTRIALE S.p.A. - Via dei Pescatori - Genova - ITALY

**Tests date** **from** March 16, 2009 **to** March 25, 2009

**Tested by** CESI S.p.A. - Milan - 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 60439-1 (1999-09- Ed. 4)**  
**Sub-clauses 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5**

**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.

This Test 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 Test 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.

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**Prepared** QED - Beccarini Pierangelo

A9022845 2925 AUT

**Verified** OOR - Alunni Roberta, OED - Arneodo Giorgio

A9022845 3083 VER

A9022845 503478 VER

**Approved** LAP - Il Responsabile - Nicolini Roberto

A9022845 821814 APP

**CESI** S.p.A.

Energy Division

Technical Area Components

"Testing Laboratories"

Manager