

**Test Certificate of** Short-circuit withstand strength and effectiveness of the protective circuit

**Tested samples/items** LV Busbar Trunking System (BTS)

**Designation** ABD 1  
Rated voltage 440 V ; Rated normal current 4000 A ; Rated frequency 50 Hz

**Manufacturer** Al-Ahleia Switchgear Co.  
Safat - KUWAIT

**Client** Al-Ahleia Switchgear Co.  
Safat - KUWAIT

**Tests date** **from** February 05, 2010 **to** February 05, 2010

**Tested by** IPH GmbH - Berlin - GERMANY  
Subsidiary Company of 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 60439-2 (2005)**  
Sub-clauses 8.2.3 and 8.2.4

**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.

**No. of pages** 3 **No. of pages annexed** -

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**Prepared** IPH Laboratories - Ronald Borchert

**Verified** IPH Laboratories - Harald Glabsch  
CESI Laboratories - Giorgio Arneodo

**Approved** CESI Laboratories - Roberto Nicolini

**CESI** S.p.A.

Energy Division

Technical Area Components

"Testing Laboratories"

Martinet