

# PEHLA

GESELLSCHAFT FÜR ELEKTRISCHE HOCHLEISTUNGSPRÜFUNGEN  
Member of the SHORT-CIRCUIT TESTING LIAISON (STL)

## Test Confirmation

Report No.: 10019Ra - 0

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Contents: 2 Sheets

**Test object:** Metal-enclosed, air-insulated switchgear with vacuum circuit-breaker  
**Designation:** Panel PH-700F with VCB VK-10J25F  
Rated voltage: 12 kV      Rated normal current: 630 A      Rated frequency: 50 Hz  
Serial No.: 131/2009 (switchgear)  
A-146F (circuit-breaker)  
Drawing No.: 2VB79-0233 (switchgear)  
1VC19-0048/02 (circuit-breaker)  
**Manufacturer:** Jyoti Sohar Switchgear L.L.C., Sohar, Sultanate of Oman (Switchgear)  
Jyoti Limited, Switchgear Division, Vadodara, India (Circuit-Breaker)  
**Client:** Jyoti Sohar Switchgear L.L.C., Sohar, Sultanate of Oman  
**Testing station:** PEHLA-Testing Laboratory Ratingen, Germany  
**Date of test:** 17<sup>th</sup> and 18<sup>th</sup> February 2010

**Applied test specifications:**

The tests have been carried out in accordance with:  
IEC 62271-100 / Ed. 2.0 / 2008-04, Clause 6.4, 6.5.1 – 6.5.4 and 6.5.6,  
IEC 62271-200 / 1<sup>st</sup> Ed. / 2003-11, Clause 6.4.1, 6.5.1 – 6.5.4 and 6.5.6,  
IEC 62271-1 / Ed. 1.0 / 2007-10, Clause 6.4.1, 6.5.1 – 6.5.4 and 6.5.6.

**Tests performed:**

Three-phase temperature-rise test at the rated current of 630 A at a power-frequency of 50 Hz.  
Measurement of the resistance of the main circuit before and after the temperature-rise test.

**Test results:**

The test object passed the tests performed in accordance with the applied test specifications.

Detailed results will be documented in a separate document.



GESELLSCHAFT FÜR ELEKTRISCHE  
HOCHLEISTUNGSPRÜFUNGEN

Herbert Feld

Claus Loquingen

Observers of the test

Representatives of Technical Committee

Ratingen, 18<sup>th</sup> March 2010

The test results relate only to the items tested.  
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