

PEHLA

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

Test Confirmation

Report No.: 10050Ra - 0 Copy No.: 1 Contents: 2 Sheets

Test object: Metal-enclosed, air-insulated switchgear with vacuum circuit-breaker
Designation: Panel PH-800F with VCB VK-10M25F
Rated voltage: 12 kV Rated normal current: 1250 A Rated frequency: 50 Hz
Serial No.: 130/2009 (switchgear)
A-145(F) (circuit-breaker)
Drawing No.: 2VB79-0235 (switchgear)
1VC19-0048/04 (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: 17th and 18th March 2010

Applied test specifications:

The tests have been carried out in accordance with:

IEC 62271-100 / Ed. 2.0 / 2008-04, Clause 6.6

IEC 62271-200 / 1st Ed. / 2003-11, Clause 6.6

IEC 62271-1 / Ed. 1.0 / 2007-10, Clause 6.6

Tests performed:

Type tests 'Short-time withstand current and peak withstand current test on the main circuit' and 'Basic short-circuit test duties'.

Three-phase short-time withstand current and peak withstand current test of the main circuit with a peak current of 63.1 kA and a short-time current of 25.1 kA - 3.02 s equivalent to 25.2 kA - 3.00 s at 50 Hz.

Three-phase making and breaking capacity test based on 25 kA at 12 kV consisting of the basic test duties T10, T30, T60, T100s, T100a (dc-component of 34 %) and SPF at 50 Hz.

No-load operations and measurement of the resistance of the main circuit before and after the tests.

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

Klaus Niemeyer

André Schuermann

Observers of the test
Representatives of Technical Committee

Ratingen, 18th March 2010

The test results relate only to the items tested.
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DAT-PL-032/93-63