



ASSOCIAZIONE PER LA CERTIFICAZIONE  
DELLE APPARECCHIATURE ELETTRICHE

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# Certificate of Conformity

LOVAG-Certificate No. **IT 14.096**

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This certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designation with that tested rests with the manufacturer or responsible vendor.

This certificate has been prepared according to LOVAG (Low Voltage Agreement Group) Objectives and Operating Principles of mutual recognition.

The responsible certification body as member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Test Instructions wherever applicable.

Only integral reproduction of this Certificate or reproductions of this page accompanied by any page(s) on which are stated the tests performed and the assigned rated characteristics of the apparatus Tested, are permitted without written permission from the LOVAG Signatory responsible for this Certificate.

## Apparatus

Low voltage assembly System pro E Power 2500A –  
415V ( $U_e$ ) – 1250A ( $I_{na}$ ) – 50kA ( $I_{cw}$ ) – 8kV ( $U_{imp}$ ) – 50Hz(f) – IP65

## Designation

**System Pro E Power 2500A**

## Manufacturer or responsible vendor

**ABB S.p.A. – ABB SACE Division**

Via Italia, 58 - 23846 Garbagnate Monastero (LC) Italy

## Tested for: ABB S.p.A. – ABB SACE Division

Via Italia, 58 - 23846 Garbagnate Monastero (LC) Italy

## Tested by: ACAE Laboratory IA 01

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with IEC 61439-2 Ed.2.0 (2011-08) and EN 61439-2(2011).

( This standard complies also with the requirements of the previous standard IEC 60439 )

- Verification of lifting (10.2.5 )
- Verification of the protective circuit (10.5)
- Verification of the dielectric properties ( 10.9 )
- Verification of the temperature-rise limits ( 10.10 )
- Verification of the short-circuit withstand strength (10.11)

The results are shown in the Test Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristics assigned by the manufacturer as stated in the following page.

Responsible Certification Body : ACAE

Virginio Scarioni

Authorized signature

Date: 2014.10.02



**PRD N°070B**  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements



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-Verification of lifting : 1802 kg

- Verification of the protective circuit : < 0.1 ohm

-Verification of the dielectric properties :  
690V - 50Hz - 8kV 1.2/50μs

-Verification of the temperature-rise limits :

Circuit	IG	I2	Is*	I3	I4	I5
Test current (I <sub>nc</sub> ) A	1850	1250	1250	170	600	370

\* main busbars 1(100 mm x 5 mm)

- Verification of the short-circuit withstand strength I<sub>cw</sub>:

50kA for 1s ( section 1-4 )

30kA for 1s phase - neutral ( section 1-4 )

30kA on protective circuit ( section 1-5 )

- Verification of the rated conditional short-circuit current I<sub>cc</sub>:

50kA – 415V ( section 1-5- supply :S-G, S-F and S-E )

50kA – 415V ( section 1-3- supply :S-B )

50kA – 415V ( section 1-4- supply:S-D )

30kA – 415V phase - neutral ( section 1-5 supply SN-GN, SN-FN  
and SN-EN )

30kA – 415V phase - neutral ( section 1-3 supply SN-BN )

This document includes Test Report No. : 13.235

Issue date: 2014.09.25

Responsible Certification Body : ACAE

Virginio Scarioni



PRD N°0708

Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

Authorized signature

Date: 2014.10. 02