



## Certificate of Conformity

LOVAG-Certificate No.: IT 15.078

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This Certificate applies only to the apparatus verified. The responsibility for conformity of any apparatus having the same designation with that verified 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 a member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Verification instruction wherever applicable.

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**Apparatus: Low voltage assembly**

480V ( $U_e$ ) – 1000V ( $U_i$ ) – 8kV ( $U_{imp}$ ) – 4000A ( $I_{nA}$ ) – 65kA ( $I_{cw}$ ) – 50Hz (f)

**Designation Type System pro E power 4000A**

**Manufacturer ABB S.p.A. – ABB SACE Division**

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

**Applicant: ABB S.p.A. – ABB SACE Division**

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

**Verified by: ACAE Laboratory IA01**

The apparatus, constructed in accordance with the description mentioned in the Report listed in this Certificate has been subjected to the series of proving verifications in accordance with IEC TR 61641 Ed. 3.0 (2014-9)

Arc Fault Tests in according with Client's Instructions.  
The test procedure and test parameters were based on IEC TR 61641 Paragraph 8.

The results are shown in the Test Report in accordance to ACAE procedures. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristic assigned by the manufacturer as stated below :

-Permissible conditional short-circuit current under arcing conditions ( $I_{pc \text{ arc}}$ ) with 65kA for 0.3s at 480V (arcing class B) on circuits I1- I2- I3 -I4.

-Permissible conditional short-circuit current under arcing conditions ( $I_{pc \text{ arc}}$ ) with 65kA for 0.3s at 480V (arcing class B) on Distribution bars and circuits I0 (main busbars) – IG - I1.

This document includes: Test report N°: 433  
Issue Date: 2017-07-31

**Responsible Certification Body: ACAE**  
Via Tito Livio, 5 – 24123 – BERGAMO (Italy)



**PRD N°0708**  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

Authorized Signature Virginio Scaroni  
Date: 2017.11.03