



Certificate of Conformity

LOVAG-Certificate No.: IT 15.070

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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

415V (U_e) – 4000A (I_{nA}) – 36kA (I_{cc}) – 8kV(U_{imp}) – 50Hz(f) – IP65

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 and II01

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 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 dielectric properties (10.09)
- Verification of temperature rise-limits (10.10)
- Verification of short-circuit withstand strength (10.11)

The results are shown in the 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 page n.2.

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



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

Authorized Signature Virginio Scarioni

Date: 2016.07.27

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LOVAG Certification Bodies and LOVAG Secretariat:

For further information contact your local certification body or the Secretariat of LOVAG by e-mail or by fax from the list below

is the Low Voltage Agreement Group, which is a Mutual Agreement Group of Certification Bodies founded in 1991, which has achieved a high level of competence in testing and certification of low voltage equipment.

LOVAG's main purpose as an Agreement Group shall be for the mutual recognition of test reports and/or certificates of conformity by its signatories.

LOVAG presently has seven signatories (Certification Bodies) to the Agreement: ACAC (Italy), ALPHA at VDE (Germany), Applus+ Laboratories (Spain), ASEFA (France), IMO (Italy), Intertek Semko AB (Sweden), and SGS Belgium NV - Division SGS CEBEC (Belgium) and employs about 40 Testing Laboratories.

LOVAG Certificates are issued by the LOVAG Certification Bodies using verification reports and certificates in a common and recognisable format in the market. They are recognised and accepted in the European Economic Area and elsewhere in the world.

LOVAG Instructions LOVAG uses common instructions for verification by Testing, Comparison or Assessment of the International and Standards covered by the Agreement and signatories to the Agreement abide by these when verifying for LOVAG Certification.

All signatory bodies to the Agreement are accredited to ISO IEC 17065 or EN 45011 by accredited bodies being members of IAF, the International Accreditation Forum. They are located in a member country of the EU and their laboratories are accredited and/or assessed to EN ISO/IEC 17025.

LOVAG CERTIFICATES



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Lifting : 3134kg

Verification of temperature rise-limits :

Circuit	10	16	17	18	19
Test current (I _{nc}) A	4000	820	950	160	245

Dielectric properties:

Power frequency test voltage : 2200V, duration 5s
Impulse withstand test voltage : 9.6kV

Conditional short-circuit current (I_{cc}) :

36kA at 436V on main circuits / 21.6 kA at 252V on protective circuit
Test Circuits : I8- I9 .

Short-circuit withstand strength : 60kA for 1s on protective circuit



This document includes : Test report No. 14-0455-08

Issue date : 2016.03.10

Test report No. 13.247

Issue date : 2015.12.21



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

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

Virginio Scaroni

Authorized Signature: Virginio Scaroni

Date: 2016.07.27