



Certificate of Conformity

LOVAG-Certificate No.: IT 15.069
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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) – 3200A (I_{nA}) – 100kA (I_{cw}) – 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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Lifting : 3134kg

Verification of temperature rise-limits :

Circuit	IG	I1	I2	I3	I4	I5	I6	I7	I8	I9
Test current (I_{nc}) A	3200	500	525	300	145	230	820	950	160	245

Dielectric properties:

Power frequency test voltage : 2200V, duration 5s

Impulse withstand test voltage : 9.6kV

Short-circuit withstand strength (I_{cw}) :

100kA for 1s on main circuit - 60kA for 1s on protective circuit

Test Circuits : main busbars and IG

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

100kA at 436V on main circuits / 60 kA at 280V on protective circuit

Test Circuits : IG- I1- I2- I3- I4- I5- I6- I7 (I8, I9 not tested)



This document includes : Test report No. 14-0455-07

Issue date : 2016.03.10

Test report No. 14-0455-08

Issue date : 2016.03.10

Test report No. 13.246

Issue date : 2015.12.21



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

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

Authorized Signature: Virginio Scarioni

Date: 2016.07.27