



Certificate of Conformity

LOVAG-Certificate No.: IT 15.072
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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) – 5000A (I_{nA}) – 85kA (I_{cw}) – 8kV(U_{imp}) – 50Hz(f) – IP65

Designation Type

System Pro E Power 5000A

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 Reports 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 Reports 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 at 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: 2016.08.29



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Lifting : 3376kg

Verification of temperature rise-limits :

Circuit	I0	IG	I1	I2
Test current (I_{nc}) A	5000	4500	2100	1400

Dielectric properties:

Power frequency test voltage : 2200V, duration 5s

Impulse withstand test voltage : 9.6kV

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

85kA for 1s on main circuit / 51kA for 1s on protective circuit

Test Circuit : I1

60kA for 1s on protective circuit

Test Circuit : I0

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

100kA at 436V on main circuits

Test Circuit : I1

This document includes : Test report No. 14-0455-04

Issue date : 2016.07.07

Test report No. 14-0455-05

Issue date : 2016.07.07

Test report No. 14-0455-06

Issue date : 2016.07.07

Test report No. 277

Issue date : 2015.12.21



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Authorized Signature: Virginio Scarioni

Date: 2016.08.29