



# Certificate of Conformity

LOVAG-Certificate No.: IT 24.015  
Page 1 of 2

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

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**

416 V ( $U_n$ ) – 1 kV ( $U_i$ ) - 8000 V ( $U_{imp}$ ) – 6300 A ( $I_n$ ) 50 Hz (f)

**Designation Type: System pro E power TBBS**

**Manufacturer: ABB S.p.A. – ABB SACE Business**

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

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

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

**Verified by: ACAE Laboratories:  
IA01 Bergamo (Italy)**

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 Standard IEC TR 61641 (2014):

- Arc fault Test class C criteria 1 to 7

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 at page 2.

This document includes: Test Report: No. 2649  
Issue date: 18.10.2023



**0070PRD**  
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: 2024.03.08



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Circuit	Functional Units				
	Ib1	Ib2	I1	I2	I3
Permissible short-circuit current under current arcing conditions $I_{p\ arc}/kA$	65	65	65	65	65
Permissible arc duration $t_{arc}$ s	0,3	0,3	0,3	0,3	0,3
Permissible conditional short-circuit current under arcing conditions $I_{pc\ arc}/kA$	-	-	65	65	-

Circuit	Functional Units				
	I4	I5	I6	I7	I8
Permissible short-circuit current under current arcing conditions $I_{p\ arc}/kA$	65	-	-	-	-
Permissible arc duration $t_{arc}$ s	0,3	-	-	-	-
Permissible conditional short-circuit current under arcing conditions $I_{pc\ arc}/kA$	65	65	65	65	65

Circuit	Functional Units				
	I9	-	-	-	-
Permissible short-circuit current under current arcing conditions $I_{p\ arc}/kA$	-	-	-	-	-
Permissible arc duration $t_{arc}$ s	-	-	-	-	-
Permissible conditional short-circuit current under arcing conditions $I_{pc\ arc}/kA$	65	-	-	-	-



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## LOVAG CERTIFICATES

LOVAG	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.
Membership	LOVAG presently has five signatories (Certification Bodies) to the Agreement: ACAE (Italy), Applus+ Laboratories (Spain), ASEFA (France), IMQ (Italy), and SGS Belgium NV - Division SGS CEBC (Belgium) and employs more than 30 Testing Laboratories.
Certificates	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.
Qualifications	All signatory bodies to the Agreement are accredited to ISO IEC 17065 by accreditors 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.

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

### LOVAG Certification Bodies and LOVAG Secretariat:

<p><b>ACAE</b> Via Tito Livio 5 I-24123 Bergamo ITALY Fax: + 39 035 453 4662 e-mail: <a href="mailto:acaecert.it">acaecert.it</a> Web : <a href="http://www.acaecert.it">www.acaecert.it</a></p> 	<p><b>ASEFA</b> 33 Av du General Leclerc F-92260 Fontenay-aux-roses FRANCE e-mail: <a href="mailto:contact@asefa-cert.com">contact@asefa-cert.com</a> Web: <a href="http://www.asefa-cert.com">www.asefa-cert.com</a></p> 
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<p><b>IMQ S.p.A.</b> Via Quintiliano 43 20138 Milano ITALY Fax: +39 0250991510 e-mail : <a href="mailto:lovag@imq.it">lovag@imq.it</a> Web: <a href="http://www.imq.it">www.imq.it</a></p> 	<p><b>LOVAG Secretariat</b> at ETICS aisbl Rue des Deux Églises, 29 B-1000-Brussels - BELGIUM e-mail: <a href="mailto:secretariat@etics.org">secretariat@etics.org</a> Web: <a href="http://www.lovag.net">www.lovag.net</a></p> 