



Certificate of Conformity

LOVAG-Certificate No.: IT 23.008
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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.

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 ATS

$U_n = 480\text{ V}$; $U_i \text{ ATP0045 - ATP0060} = 0,6\text{ kV}$
 $U_i \text{ ATP0080 - ATP0100 - ATP0125 - ATP0160} = 1\text{ kV}$
 $U_{imp} = 6\text{ kV}$; $I_{nA} = 45/60/80/100/125/160\text{ A}$;
 $I_{cc} = 10\text{ kA}$; IP65; IK10

Designation Type: ATP0045 - ATP0060 - ATP0080 - ATP0100 - ATP0125 - ATP0160

Manufacturer: Lovato Electric SPA

Via don E. Mazza, 12, Gorle (BG)

Applicant: Lovato Electric SPA

Via don E. Mazza, 12, Gorle (BG)

Verified by: ACAE Laboratory:IL01 Gorle (BG)

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with:

IEC 61439-2 Ed. 3.0 (2020-07)
EN IEC 61439-2: 2021

The results are shown in the Test Report in accordance to LOVAG 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:



Assembly	ATP0045	ATP0060	ATP0080	ATP0100	ATP0125	ATP0160
Rated operational voltage U_n/V	480	480	480	480	480	480
Rated insulation voltage U_i/V	690	690	1000	1000	1000	1000
Rated impulse voltage U_{imp}/kV	6	6	6	6	6	6
Rated current I_{nA}/A	45	60	80	100	125	160
Rated diversity factor	1	1	1	1	1	1
Rated conditional short-circuit current I_{cc}/kA	10	10	10	10	10	10



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: 2023.06.15



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This Certificate includes the following Test Reports:

Subclause	Test	Test report	Attachment
10.2	Strength of materials and parts:		
10.2.2	Resistance to corrosion	CA02.05033	1
10.2.6	Mechanical impact (IK)	CA02.05033	1
10.2.7	Marking	RA-221223-2	2
10.2.8	Mechanical operation	CA02.05033	1
10.3	Degree of protection of enclosure (IP)	CA02.05033	1
10.4	Clearances	RA-221223-2	2
10.4	Creepage distances	RA-221223-2	2
10.5	Protection against electric shock and integrity of protective circuits		
10.5.2	Effective continuity between the exposed-conductive-parts of a class I assembly and the protective circuit	RA-221223-2	2
10.5.3	Short-circuit withstand strength of protective circuit	Not required: Icc not exceeding 10 kA	-
10.6	Incorporation of switching devices and components	AR 2485	3
10.7	Internal electrical circuits and connections	AR 2485	3
10.8	Terminals for external conductors	AR 2485	3
10.9	Dielectric properties	RA-221223-2	2
10.10	Temperature-rise limits	AR 2485	3
10.11	Short-circuit withstand strength	Not required: Icc not exceeding 10 kA	-
10.12	Electromagnetic compatibility (EMC)	TR 15.722	4



0070PRD
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

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

Authorized Signature Virginio Scaroni
Date: 2023.06.16

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 CEBEC (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:

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<p>Applus+ Laboratories Campus UAB E-08193 Bellaterra (Barcelona) SPAIN Fax: + 34 93 567 20 01 e-mail: info.appluslaboratories@applus.cr Web: www.applus.corp.com</p> 	<p>SGS Belgium N.V. Division SGS CEBEC Business Riverside Park Av Internationalelaan, 55 B-1070-Brussels BELGIUM Fax: + 32 2 556 00 36 e-mail: silvio.piras@sgs.com Web: www.cebex.sgs.com</p> 
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