



## Certificate of Conformity

LOVAG-Certificate No.: IT 19.004  
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### Apparatus **LOW VOLTAGE CIRCUIT BREAKERS** 690V (Ui) 6kV (Uimp)

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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Type	$U_n/V$	$I_{cn}/kA$	$I_{cu}/kA$	$I_{cs}/kA$	$I_{cu}/kA$	$I_{su}/kA$	$I_{tr}/kA$
SM1P0016	400	-	100	100	-	-	-
SM1P0025	400	-	100	100	-	-	-
SM1P0040	400	-	100	100	-	-	-
SM1P0063	400	-	100	100	-	-	-
SM1P0100	400	-	100	100	-	-	-
SM1P0160	400	-	100	100	-	-	-
SM1P0250	400	-	100	100	-	-	-
SM1P0400	400	-	100	100	-	-	-
SM1P0650	400	-	100	100	-	-	-
SM1P1000	400	-	100	100	-	-	-
SM1P1400	400	-	25	12.5	-	-	-
SM1P1800	400	-	25	12.5	-	-	-
SM1P2300	400	-	15	5	-	-	-
SM1P2500	400	-	15	5	-	-	-
SM1P3200	400	-	10	5	-	-	-
SM1P4000	400	-	10	5	-	-	-
SM1PF0020	400	-	100	100	-	-	-
SM1PF0020V317	400	-	100	100	-	-	-

**Designation Type** SM1P0016, SM1P0025, SM1P0040, SM1P0063, SM1P0100, SM1P0160, SM1P0250, SM1P0400, SM1P0650, SM1P1000, SM1P1400, SM1P1800, SM1P2300, SM1P2500, SM1P3200, SM1P4000, SM1PF0020, SM1PF0020V317

**Manufacturer** **Lovato Electric S.p.A.**  
Via Don E.Mazza 12, 24020 Gorle (BG)

**Applicant:** **Lovato Electric S.p.A.**  
Via Don E.Mazza 12, 24020 Gorle (BG)

**Verified by:** **Laboratory IL01**

**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: 2019.03.14



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The apparatus, constructed in accordance with the description mentioned in the Report(s) listed in this Certificate has been subjected to the series of proving verifications in accordance with

STANDARD IEC 60947-2: 2016  
EN 60947-2: 2017  
IEC 61373: 2010

The results are shown in the Report(s) 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.

### TESTS CARRIED-OUT



IEC 61373 cat.1, class. B    **CLAUSE 9**    Simulated long-life testing at Increased random vibration levels.

**CLAUSE 10**    Shock test.

**CLAUSE 8**    Functional random vibration test.

### AFTER THE VIBRATION TESTS

IEC 60947-2    Sequence 1

This document includes: Test Report No.: 1476  
Issue date: 12.02.2019



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Via Tito Livio, 5 – 24123 – BERGAMO (Italy)

Authorized Signature: Virginio Scarioni  
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