



Certificate of Conformity

LOVAG-Certificate No.: IT 15.038
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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) – 5200A (I_{nA})– 100kA (I_{cw})– 1000V (U_i) – 8kV(U_{imp}) – 50Hz(fn) – IP2XC.

Designation Type

CA.PRI GM 63100

Manufacturer

Primiceri S.p.A.

Via delle Azalee,10 70123 Bari (Italy)

Applicant:

Primiceri S.p.A.

Via delle Azalee,10 70123 Bari (Italy)

Verified by: ACAE Laboratory IA01

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 IEC 61439-2 Ed.2.0 (2011-08), EN 61439-2(2011) and IEC TR 61641 ed. 3.0 (2014-09)

- Verification of the protective circuit (10.5)
- Verification dielectric properties (10.9)
- Verification of short circuit withstand strength (10.11)
- Rated permissible current under arcing condition (IEC TR 61641)

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 as stated in page n.2.



PRD N°070B
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: 2015.07.07



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Verification of the protective circuit : < 0.1 ohm

Dielectric properties:

Power frequency test voltage : 2200V, duration 5s (on main/aux circuit)

Power frequency test voltage : 3300V, duration 5s (for enclosure made insulating material)

Impulse withstand test voltage : 9.6kV /12.1kV, 5 impulses in each polarity

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

100kA for 1s on main circuit /60kA for 1s phase- neutral circuit (circuit A)

100kA for 1s on main circuit /60kA for 1s phase- neutral circuit (circuit M)

100kA for 1s on main circuit /60kA for 1s phase- neutral circuit (circuit L)

100kA for 1s on main circuit /60kA for 1s phase- neutral circuit (circuit C)

100kA for 1s on main circuit /60kA for 1s phase- neutral circuit (circuit B)

85kA for 1s on main circuit /51kA for 1s phase- neutral circuit (circuit E)

60kA for 1s on protective circuit

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

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit I)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit H)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit G)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit F)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit E)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit D)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit C)

100kA at 436V on main circuit / 60kA at 252V phase- neutral circuit (Circuit B)

Rated permissible current under arcing condition (I_p arc) :

100kA rms (220kA peak) at 420V and 0.20 power factor for 0.3s.

Arcing class A.

This document includes : Test report No. 398

Issue date : 2015.05.14

Test report No. 13770/00 Rev.00

Issue date : 2015.05.19



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

Authorized Signature: Virginio Scarioni

Date: 2015.07.07