



Certificate of Conformity

LOVAG-Certificate No.: IT 16.043
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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) – 5100A(I_{nA}) – 100kA(I_{cw}) – 1000V(U_i) – 12kV(U_{imp}) – 50Hz(f) – IP31

Designation Type: 3/5500A Authion- Loire (IS333) – Maine (IS233) – Mayenne (IS223)

Manufacturer: ITEC Production

10 Avenue des carreaux
49481 St Sylvain d'Anjou FRANCE

Applicant: ITEC Production

10 Avenue des carreaux
49481 St Sylvain d'Anjou FRANCE

Verified by: ACAE Laboratory IA01

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 IEC 61439-2 Ed.2.0 (2011-08)

- Verification of the protective circuit (10.5)
- Verification of temperature rise-limits (10.10)
- Verification of short circuit withstand strength (10.11)

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 in page no.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: 2016.06.28



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Verification of the protective circuit :

Resistance of the circuit < 0.1 ohm

Verification of temperature rise-limits :

Circuit	QG	T.3.2.1	T.3.2.2	T.3.3.1	T.3.3.2
Test current (I_{nc}) A	5100	600	750	1250	1250

Circuit	T.3.4.1	T.3.4.2	T.3.4.3	T.3.4.4
Test current (I_{nc}) A	140	240	340	580

Circuit	T.3.5.1	T.3.5.2	T.3.5.3	T.3.5.4	T.3.5.5	T.3.5.6
Test current (I_{nc}) A	160	230	360	160	210	400

Verification of short circuit withstand strength (I_{cw} / I_{pk}) :

Main busbars

Test current 100/220 kA for 1s (Main busbars A and Vertical bars circuit D)

Protective circuit

Test current 60/134 kA for 1s

Conditional short-circuit current at 100kA - 436V (I_{cc}) :

Circuits QG, T.3.2.1, T.3.2.2, T.3.3.1, T.3.4.1, T.3.4.2, T.3.4.3, T.3.4.4,
T.3.5.1, T.3.5.2, T.3.5.3, T.3.5.4, T.3.5.5, T.3.5.6.

Circuit T.3.3.2 only for temperature rise-test,
not under short-circuit Tests.

This document includes : Test report No. 593

Issue date : 2016.05.23



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