



Certificate of Conformity

LOVAG-Certificate No.: IT 16.024

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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) – 3350A (I_{nA}) – 65kA (I_{cw}) – 1000V (U_i) – 12kV(U_{imp}) – 50Hz(f) – IP31

Designation Type: 2/3500A 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



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 Scarioni

Date: 2016.04.26



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Verification of the protective circuit :

Resistance of the circuit < 0.1 ohm

Verification of temperature rise-limits :

Circuit	QG1	T.2.1.1	T.2.2.1	T.2.2.2	T.2.3.1	T.2.3.2
Test current (I_{nc}) A	3350	1250	2050	2050	140	190

Circuit	T.2.3.3	T.2.3.4	T.2.4.1	T.2.4.2	T.2.4.3	T.2.4.4
Test current (I_{nc}) A	320	570	160	210	340	160

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

Main busbars

Test current 65/143 kA for 1 s (Horizontal bars A ,
QG1 , T2.1.1 , T2.2.1 , T2.2.2)

Test current 65/143 kA for 0.5 s (Vertical bars circuits B)

Test current 50/105 kA for 1 s (Vertical bars circuits C)

Protective circuit

Test current 39/82.6 kA for 1 s

Conditional short-circuit current at 65kA - 436V (I_{cc}) :

Circuits QG1, T.2.1.1, T.2.2.1, T.2.2.2, T.2.3.1, T.2.3.2, T.2.3.3, T.2.3.4,
T.2.4.1, T.2.4.2, T.2.4.3, T.2.4.4, T2.4.5, T.2.4.6

This document includes : Test report No. 592

Issue date : 2016.04.04



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Authorized Signature: Virginio Scaroni

Date: 2016.04.26