



Certificate of Conformity

LOVAG-Certificate No.: IT 16.022
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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) – 2400A (I_{nA}) – 50kA (I_{cw}) – 1000V (U_i) – 12kV(U_{imp}) – 50Hz(f) – IP31

Designation Type: 1/2500A 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)

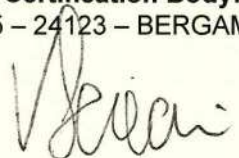
The results are shown in the Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristics assigned by the manufacturer as stated in page no.2



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



PRD N°0708
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements


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	QG	T.1.1.1	T.1.2.1	T.1.2.2	T.1.2.3	T.1.2.4
Test current (I_{nc}) A	2400	1550	130	190	320	580

Circuit	T.1.3.1	T.1.3.2	T.1.3.3	T.1.3.4	T.1.3.5	T.1.3.6
Test current (I_{nc}) A	160	240	390	160	200	400

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

Main busbars

Test current kA 50/105 kA for 1 s (Horizontal bars A, Vertical bars circuits C, D and QG, T1.1.1)

Test current kA 35/73.5 kA for 1 s (Vertical bars circuit B)

Protective circuit

Test current kA 30/67 kA for 1 s

Conditional short-circuit current at 50kA – 436V (I_{cc}) :

Circuits QG and T1.1.1

The conditional short-circuit current tests on circuits T1.2.1-T1.2.2-T1.2.3-T1.2.4-T1.3.1-T1.3.2-T1.3.3-T1.3.4-T1.3.5-T1.3.6 were not carried out because the same circuits were already positively verified with conditional short-circuit current of 65kA at 436V .

See LOVAG Test Report 592 annexed to Certificate of conformity IT.16.024

This document includes : Test report No. 591

Issue date : 2016.03.21



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: 2016.04.26