



ASSOCIAZIONE PER LA CERTIFICAZIONE
DELLE APPARECCHIATURE ELETTRICHE

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

tel. +390354175244 fax. +390354534662 e-mail: acaecert@tin.it



Certificate of Conformity

LOVAG-Certificate No. **IT 08.029**

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Apparatus

Low voltage switchgear and controlgear assembly - 3 phases + neutral -
415 V (U_e) - 690 V (U_l) - 12 Kv (U_{imp}) - frequency 50 Hz - 4000 A - IP 65 -
65 kA (I_{cw}) 3 sec - 65 kA (I_{cc}) at 415 V

Designation

ArTu K 4000A Switchboard

Manufacturer or responsible vendor

ABB S.p.A. - ABB SACE Division

Via Italia, 58 - 23846 Garbagnate Monastero (LC) Italy

Tested for: ABB S.p.A. - ABB SACE Division

Via Italia, 58 - 23846 Garbagnate Monastero (LC) Italy

Tested by: ACAE Laboratory IA 01

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with IEC 60439-1 Ed.4.1 (2004) and EN 60439-1 (1999) + A1 (2004)

- Verification of temperature rise-limits (8.2.1)
- Verification of the dielectric properties (8.2.2)
- Verification of the short-circuit withstand strength (8.2.3)
- Verification of clearances and creepage distances (8.2.5)
- Verification of mechanical operation (8.2.6)

The results are shown in the Test 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 characteristic assigned by the manufacturer as stated below:

415 V (U_e) - 50 Hz - 690 V (U_l)
12 kV (U_{imp}) - IP 65

This document includes Report No.: 07.018-R01

Issue Date: 2008.07.23

Responsible Certification Body: ACAE

Mauro Marchi

Authorized Signature

Date: 2008.09.30

SINCERT

ACCREDITAMENTO ORGANISMI DI CERTIFICAZIONE E ISPEZIONE

PRD N°070B

Signatory of EA and IAF Mutual Recognition Agreements

This Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designation with that tested 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 member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Test Instructions wherever applicable.

Only integral reproduction of this Certificate or reproductions of this page accompanied by any page(s) on which are stated the tests performed and the assigned rated characteristics of the apparatus tested, are permitted without written permission from the LOVAG Laboratory responsible for this Certificate.

The expiry of this certificate is subject to the ACAE certification scheme.



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Circuit	Rated current (I_n) A	Test current A	Rated short time withstand current (I_{cw}) kA	Rated conditional short-circuit current (I_{cc}) kA at 415 V
I G	4000	3300	65 (3")	--
I 1	2000	1700	--	65
I 2	800	800	--	65
I 3	800	800	--	65
I 4	800	--	--	65

Responsible Certification Body: ACAE

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Mauro Marchi

Authorized Signature

Date: 2008.09.30