



ASSOCIAZIONE PER LA CERTIFICAZIONE
DELLE APPARECCHIATURE ELETTRICHE



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

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Certificate of Conformity

LOVAG-Certificate No. IT 09.071

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Apparatus

Low voltage switchgear and controlgear assembly - Form 4 - 3 phases + neutral - 690 V (U_e) - 40-60 Hz - 1000 V (U_i) - 12 kV (U_{imp}) - MCCB 8kV (U_{imp}) 800 A-1600 A-6300 A (I_n) / IP 31 - 630 A-1250 A-5000 A (I_n) / IP 54 - 36/100 kA (I_{cw}) - 65/70 kA (I_{cc}) at 415 V

Designation

**ANORD MODULAR SYSTEM
AMSL/800 - AMS/1600 - AMS/6300**

Manufacturer or responsible vendor

ANORD Control Systems Ltd. Industrial Estate - Coes Road, DUNDALK, Co Louth, IRELAND

Tested for: ANORD Control Systems Ltd.

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 the effectiveness of the protective circuit (8.2.4)
- Verification of clearance and creepage distances (8.2.5)

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 with the Standard IEC 61439-2 (2009-1) and to justify the characteristic assigned by the manufacturer as stated below:

415 V (U_e) - 50 Hz - 1000 V (U_i)
12 kV (U_{imp}) - MCCB 8 kV (U_{imp})

This document includes Test Report No.: 08.177-A/B/C/D/E/F/G/H/I

Issue Date: 2009.04.14

Responsible Certification Body: ACAE

Mauro Marchi

Authorized Signature

Date: 2009.09.09

SINCERT

ACCREDITAMENTO ORGANISMO DI CERTIFICAZIONE ELETTRICHE

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.

Copy of this certificate is the ACAE certification scheme.



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Circuit	Rated current (I_n) A		Rated short-time withstand current (I_{cw}) A		Rated conditional short circuit current (I_{cc}) kA at 415 V
	IP 31 with natural ventilation	IP 54 Q1 only with forced ventilation	1 sec	3 sec	
See page 3					
Q1	6300	5000	100	50	--
		Natural ventilation			
Q2	2000	1600	65	50	--
Q3	1250	900	--	--	70
Q4	1250	1000	--	--	70
Q5	1600	1250	65	50	--
Q6	1000 (1)	800 (1)	50 (2)	--	65
F0	2700	2150	80	50	--
F1	200	250	80	50	--
F2	800	600	36	--	--

(1) with MCCB T7H type
(2) with ACB X1N type

Responsible Certification Body: ACAE



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Mauro Marchi

Authorized Signature

Date: 2009.09.09

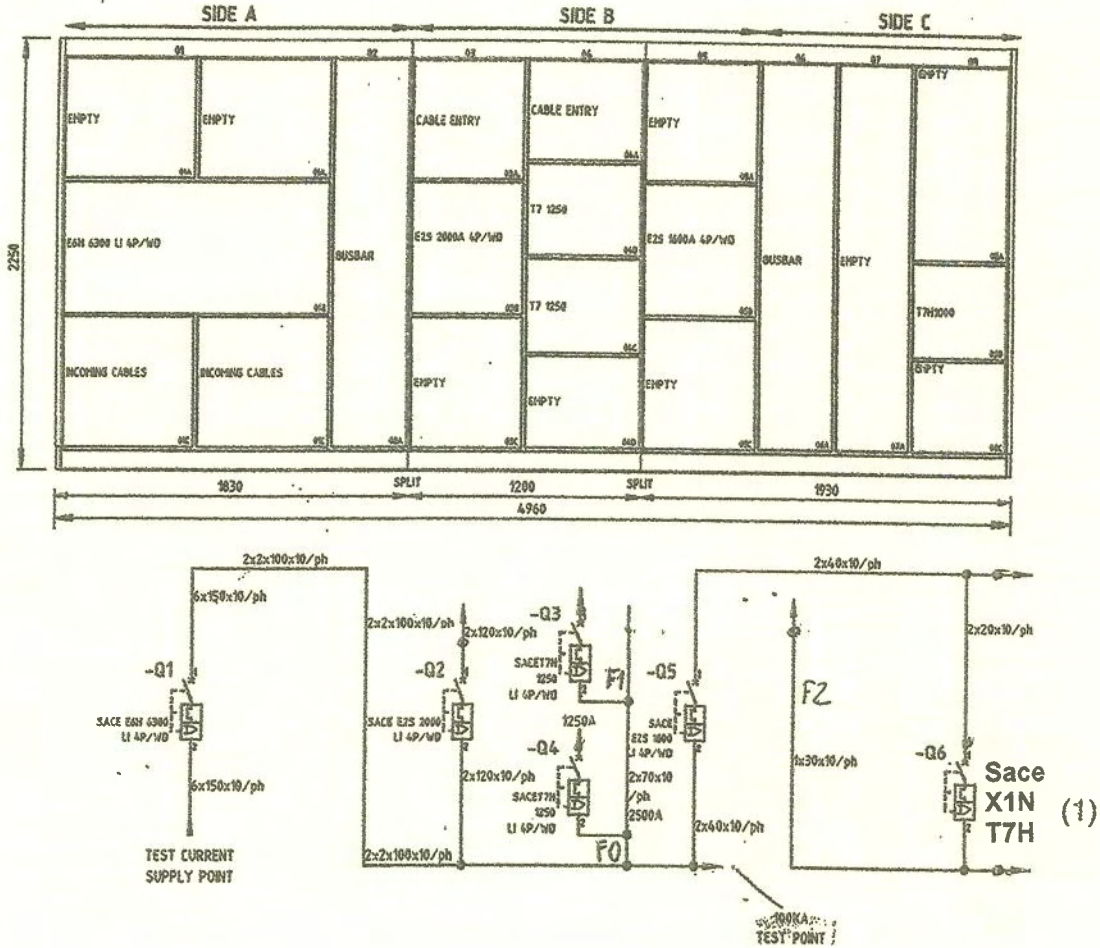
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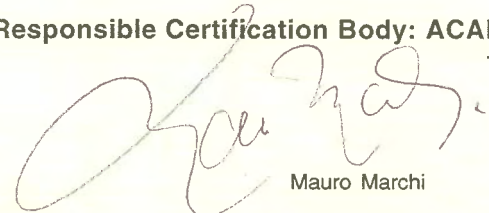
(1) X1N has been installed for 8.2.1 test
T7H " " " " for 8.2.3/8.2.4 tests

Responsible Certification Body: ACAE

SINCERT
ACCREDITAMENTO ORGANISMO DI CERTIFICAZIONE E SPERIMENTAZIONE

PRD N°070B

Signatory of EA and IAF Mutual Recognition Agreements



Mauro Marchi

Authorized Signature

Date: 2009.09.09