



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 09.070**

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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}) - 4000 A-5000 A-6300 A (I_n) / IP 31 - 3200 A-4000 A-5000 A (I_n) / IP 54 - 80/100 kA (I_{cw})

Designation

**ANORD MODULAR SYSTEM
AMS/4000 - AMS/5000 - 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) - TR 08.035/A and /B
- Verification of the dielectric properties (8.2.2) - TR 08.035/A
- Verification of the short-circuit withstand strength (8.2.3) - TR 08.035/C and D
- Verification of the effectiveness of the protective circuit (8.2.4) - TR 08.035/C and /D
- Verification of clearance and creepage distances (8.2.5) - TR 08.035/A

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})

This document includes Test Report (TR) No.: 08.035/A and 08.035/B

Issue Date: 2008.10.08

Test Report (TR) No.: 08.035/C and 08.035/D

Issue Date: 2008.10.13

Responsible Certification Body: ACAE



PRD N°070B
Signatory of EA and IAF Mutual Recognition Agreements

Mauro Marchi

Authorized Signature

Date: 2009.09.09

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 In (A)				Rated short-time withstand current Icw (kA)	
	IP 31		IP 54		(1)	With additional busbar supports (1)
See page 3	With natural ventilation	Q1 only With forced ventilation	With natural ventilation	Q1 only With forced ventilation		
	TR 08.035/A		TR 08.035/B			
Q1	5600 (2)	6300	3800 (2)	5000	80	100
Q2	--	NATURAL VENTILATION 5000	--	NATURAL VENTILATION 4000	80	100
Q3	--	4000	--	3200	80	100
F1	--	1300	--	1000	80	100
F2	--	1000	--	800	80	100
F3	--	2000	--	1600	80	100
F4	--	2000	--	1600	80	100

(1) with the drawable part of the circuit breaker replaced by a dummy circuit breaker

(2) Test carried out to verify natural ventilation rating of Q1 at IP31 and IP54

Responsible Certification Body: ACAE

Mauro Marchi

Authorized Signature

Date: 2009.09.09

SINCERT

ACCREDITAMENTO ORGANISMI DI CERTIFICAZIONE E ISPEZIONE

PRD N°070B

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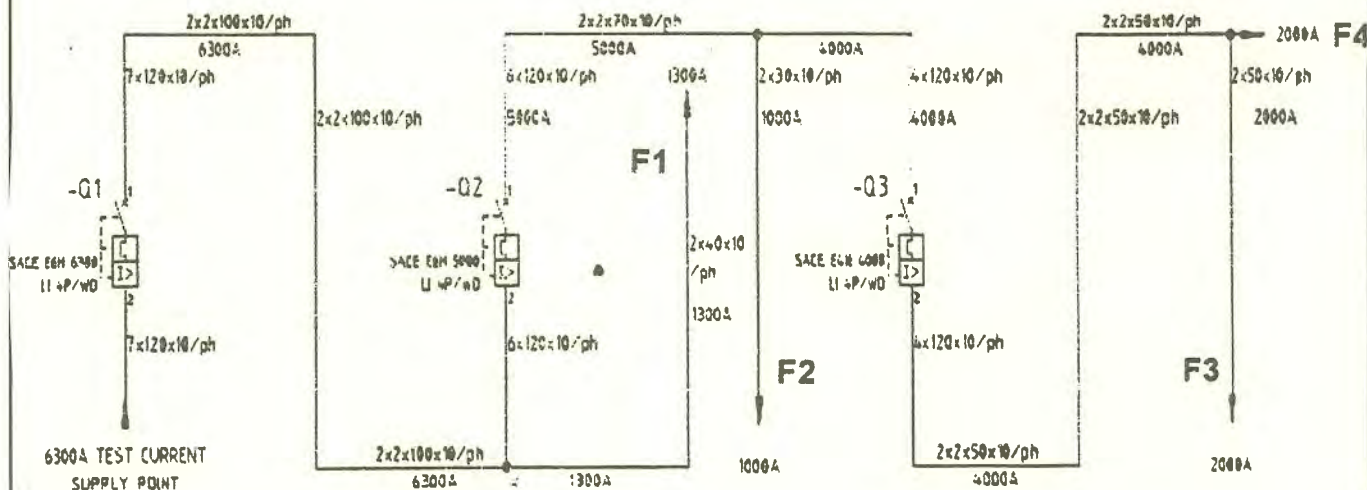
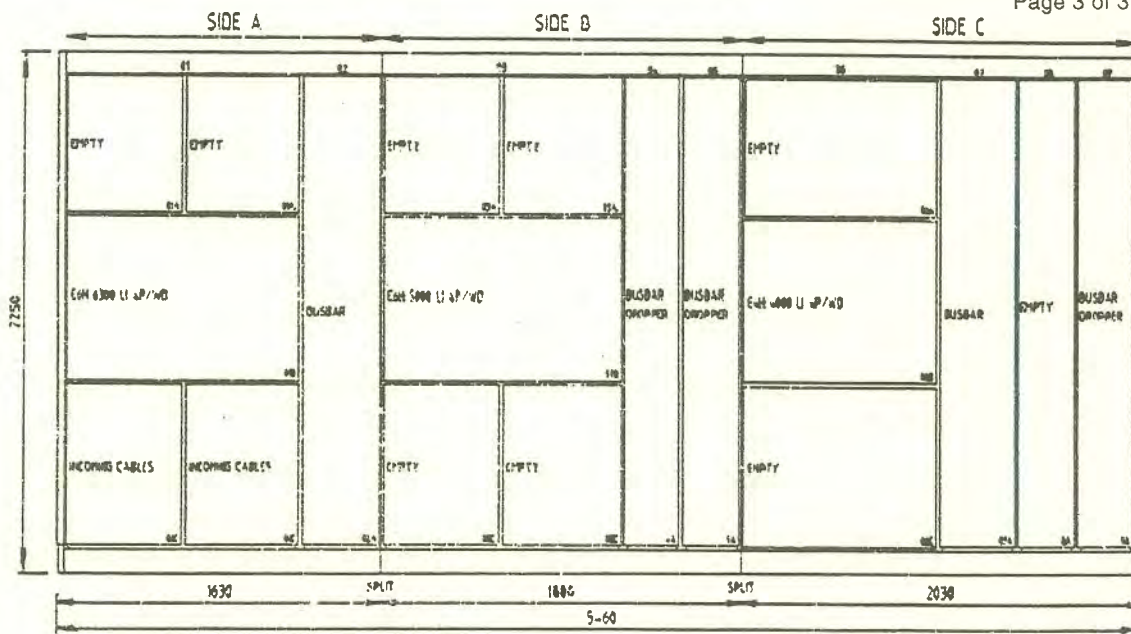
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**IP 31 – Q1 ONLY
WITH FORCED VENTILATION**

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Mauro Marchi

Authorized Signature

Date: 2009.09.09