



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 09.069**

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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 ( $U_{imp}$ ) - 8 kV ( $U_{imp}$ ) for units with MCCBs - 2500 A - 1250 A ( $I_n$ ) / IP 31 - 2000 A - 1000 A ( $I_n$ ) / IP 54 - 50/80 kA ( $I_{cw}$ ) - 70/80 kA ( $I_{cc}$ ) at 415 V

## Designation

**ANORD MODULAR SYSTEM  
AMS/2500 - AMS/1250**

## 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 ( $U_i$ )  
8 kV ( $U_{imp}$ ) for units with MCCBs

This document includes Test Report (TR) No.: 07.021 from A to F  
Issue Date: 2007.10.25

**Responsible Certification Body: ACAE**

Mauro Marchi

Authorized Signature

Date: 2009.09.09



ACCREDITAMENTO ORGANISMO AI CASI DI ECCEZIONE

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 characteristics of the apparatus tested, are permitted without written permission from the LOVAG Laboratory responsible for this Certificate.

For the expiry of this certificate see ACAE certification scheme.



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Circuit	Rated current In (A)		Rated short-time withstand current Icw (kA)		Rated conditional short-circuit current Icc (kA) at 415V	
	IP31	IP54	TR	TR	TR	TR
See page 3	TR 07.021/A	TR 07.021/B	TR 07.021/C (1)	TR 07.021/D (1) (2)	TR 07.021/E (1)	TR 07.021/F (1)
Incoming unit / Horizontal busbar side A	2500	2000	50	80	--	--
Vertical busbar side A	2500	2000	50	80	--	--
Horizontal busbar side B	1250	1000	50	80	--	--
vertical B1	--	1000	--	--	--	--
busbar B2	--	--	--	80	--	--
side B3	1250	1000	50	--	--	--
Q1	2500	2000	50	80	--	--
Q2	2500	2000	50	80	--	--
Q3	--	--	--	--	70	--
Q4	1250	1000	--	--	70	--
SF1	50.4	--	--	--	--	80
SF2	160	--	--	--	--	80
SF3	200	--	--	--	--	80
SF4	252	--	--	--	--	80
SF5	320	--	--	--	--	80

- (1) With the drawable part of the Circuit Breaker replaced by a dummy Circuit Breaker  
(2) With additional busbar supports and with two earth straps to plinth

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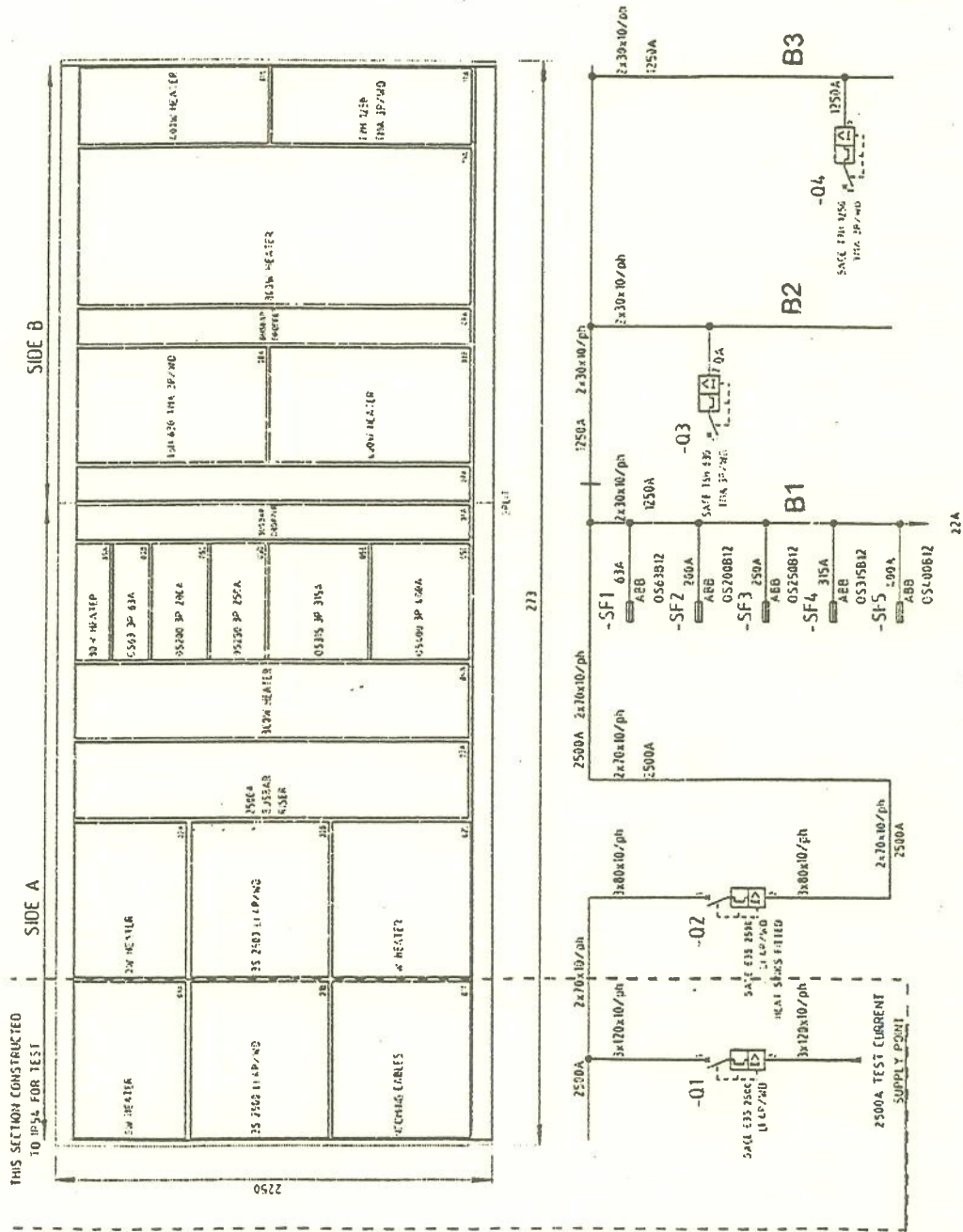
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ACCREDITAMENTO ORGANISMI DI CERTIFICAZIONE E ISPEZIONE

PRD N°070B

Signatory of EA and IAF Mutual Recognition Agreements

Mauro Marchi

Authorized Signature

Date: 2009.09.09