

[1]	EC-TYPE I	EXAMINATI	ON CER	TIFICATE	
[2]	Equipment or Protect	ctive System intended fo Directive		ally explosive atmospheres	
[3]	EC-Type Examination Certificate N	Number:			
]	DNV-MUNO	8 ATEX 3	541	
	This is a copy in E	English language of the orig	zinal Certificate wr	tten in Italian Language	
[4]	Equipment: SOLENOID VALV	ES AND ELECTE	ROMAGNET	C EQUIPMENT NADI	
[5]	Manufacturer:	NADI S.r.l.			
[6]	Address:	Via Risorgimento,10 - 20017 Mazzo di Rho - MI			
[7]	This equipment and any acceptable documents therein referred to.	quipment and any acceptable variation thereto is specified in the schedule to this certificate and the ents therein referred to.			
[8]	DNV-MODULO UNO S.c.a r.l. notified body number 0496 in accordance with Article 9 of the Council Directiv 94/9/CE of 23 March 1994, certifies that these equipment have been found to comply with the Essential Health an Safety Requirements relating to the design and construction of equipment intended for use in potentially explosiv atmospheres given in Annex II to the Directive.				
	The examination and test results are	e recorded in confidentia	l report n. CDM.0	08.REL.01/AX.07_034	
[9]	Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2006; EN 60079-1:2004; CEI EN 61241-0:2007; CEI EN 61241-1:2006; EN 1127-1: 2007; EN 13463-1:2001; EN 13463-5:2003				
[10]	If the sign "X" is placed after the consafe use specified in the schedule to		cates that the equi	pment is subject to special conditions for	
[11]	This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specific equipment. Further requirements of this Directive apply to the manufacture and supply of this equipment.				
[12]	The marking of the equipment shall II 1/2 GD c	l include the following: Ex d IIC Ex tDA/21 IP67	TX -60° T X°C	C ≤ Tamb ≤ +60°C	
	Agrate Brianza, 05 May 2008				
C	On behalf of the Notified Body Gipseppe Flia	$C \in$	- 	Dionisio Bucchieri	

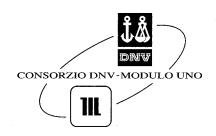
This Certificate may only be reproduced in its entirety and without any change, schedule included.

DNV - MODULO UNO S.c.a.r.l. - V.le Colleoni, 9 - 20041 Agrate Brianza (MI) - Italia

0496

The Technical Coordinator

Directive responsible



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ANNEX

EC-TYPE EXAMINATION CERTIFICATE N° DNV-MUNO 08 ATEX 3541

This is a copy in English language of the original Certificate written in Italian Language

[15] Description of Equipment

The solenoid valves and electromagnetic equipment coverei by this EC-type Examination Certificate are seven models:

Series L, C, D, E, F, G, H

They can used with flow gases or liquids and can be installed in a gas or dust potentially explosive atmosphere.

The temperature class and maximum surface temperature are dependent upon the ambient temperature and the power rating in accordance with following table:

Ambient temperature range [°C]	Rated power		
	[W]		
	P _{nom} ≤ 11	P _{nom} ≤ 26	
(-60 ÷ +60)	T5 and T100°C	T4 and T135°C	

Electrical Data

Marking notes

Ambient temperature range: T_{amb} between -60°C and +60°C.

Maximum surface temperature:

- gases: temperature class T5 or T4 (tab. 1);
- flammable dust: T100°C or T135°C (tab. 1).

Giuseppe Elia

The Technical Coordinator

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[16] Report n° CDM.08.REL.01/AX.07_034 rev. 0

EC-type examination certificate emitted in consequence of the positive evaluation of the conformity assessment to the 94/9/CE Directive and harmonised standards EN 60079-0:2006; EN 60079-1:2004; EN 1127-1:2007; EN 13463-1:2001; EN 13463-5:2003 and standard reference CEI EN 61241-0:2007; CEI EN 61241-1:2006, performed by DNV-MODULO UNO S.c.a r.l. notified body, and reported onto the previous report.

Routine verifications and tests

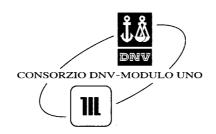
No routine verifications and tests have to be performed in accordance with standards listed above.

Giuseppe Elia

The Technical Coordinator

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[14] **EC-TYP**]

EC-TYPE EXAMINATION CERTIFICATE N° DNV-MUNO 08 ATEX 3541

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Technical documentation

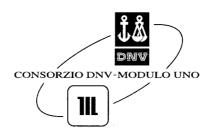
Document	Name	Date, revision or reference	Scheduled drawing
Analisi dei rischi di natura	XXX	XXX	`
elettrica.			
Analisi dei rischi di natura non elettrica.	XXX	XXX	
Rapporto di prova: Prova di tenuta alla pressione - determinazione della pressione di riferimento.	M1.07.EXET.573/29999-0	04/12/2007	
Rapporto di prova: Test di sovrapressione - primo metodo statico.	M1.07.EXET.574/29999-0	04/12/2007	
Istruzioni uso e manutenzione	3860-R0	XXX	
Attestato di Esame CE del Tipo (KEMA) e prove di temperatura.	KEMA 04ATEX2159	13/07/2004	
Attestato di Esame CE del Tipo (CESI) e relative prove.	CESI 02 ATEX 130	28/11/2002	
Dra	awings related to technical doc	umentation	
Disegno custodia.	3870	Rev. 0 del 21/05/2007	X
Tabella tolleranze giunti.	3870A	Rev. 0	X
Dettaglio presa di terra interna.	3870B	Rev. 0 del 09/01/2003	
Targhetta identificativa	3880	Rev. 0 del 01/07/2007	X

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Following type tests have been performed:

- Determination of explosion pressure reference pressure (EN 60079-1 \S 15.1);
- Overpressure test (EN 60079-1 § 15.1.3.1).

Type tests results are reported in the following test reports:

- n° M1.08.EXET.573/29999-0;
- n° M1.08.EXET.574/29999-0.
- [17] Special conditions for safe use

Nothing.

[14]

[18] Essential Health and Safety Requirements

Requirement 1.2.7: satisfied by means of the conformity to the 2006/95/CE Low Voltage requirements;

Requirement 1.5: not applied because are not present protective system ATEX.

[19] Certificate history

This Certificate is at its first issue.

[20] Terms and conditions

The product liability rests with the manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- Changes in the design or construction of the product;
- Changes or amendments to the Directive;
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 94/9/EC directive.

Giuseppe Elia

The Technical Coordinator

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