

[1]	EC-TYPE E	XAMINATI	ON CERTIFICATE	
[2]	Equipment or Protective System intended for use in potentially explosive atmospheres  Directive 94/9/EC			
[3]	EC-Type Examination Certificate Nu	ımber:	· · · · · · · · · · · · · · · · · · ·	
	D	NV-MUNO	8 ATEX 3663	
	This is a copy in En	glish language of the orig	inal Certificate written in Italian Language	
[4]	Equipment: SOLENOID VALVES AND ELECTROMAGNETIC EQUIPMENT NADI			
[5]	Manufacturer:	NADI S.r.l.		
[6]	Address:	Via Risorgin	nento,10 - 20017 Mazzo di Rho - MI	
[7]	This equipment and any acceptable documents therein referred to.	This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.		
[8]	DNV-MODULO UNO S.c.a r.l. notified body number 0496 in accordance with Article 9 of the Council Directive 94/9/CE of 23 March 1994, certifies that these equipment have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.			
	The examination and test results are	recorded in confidentia	report n. CDM.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 cer safe use specified in the schedule to		cates that the equipment is subject to special conditions for	
[11]	This EC-TYPE EXAMINATION equipment. Further requirements of this Directive		s only to the design and construction of the specified	
[12]	(CX)	include the following: Ex d IIC Ex tDA/21 IP67	$TX - \_^{\circ}C \le T_{amb} \le + \_^{\circ}C$ $T X^{\circ}C$	
	Agrate Brianza, 23 June 2008 On behalf of the Notified Body  Juse L. L.	CE		
	Giuseppe Elia		Dionisio Bucchieri  Directive responsible	
	The Technical Coordinator	0496	Directive responsible	



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Following type tests have been performed:

- Determination of explosion pressure reference pressure (EN 60079-1 § 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.

#### [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:

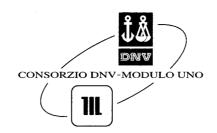
- Changes in the design or construction of the product;
- Changes or amendments to the Directive;
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 94/9/EC directive.

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The Technical Coordinator

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#### [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:

	Rated power		
Ambient temperature range	[W]		
[ 0]	$P_{nom} \le 11$	$P_{nom} \le 26$	
(-20 ÷ +40)	T6 and T85°C	T5 and T100°C	
(-20 ÷ +60)	T5 and T100°C	T4 and T135°C	

Table 1

Fla	ctrice	al N	ata

Rated Voltage......max. 400V, 50/60Hz

Rated Power.....max. 11W or max. 26W

### Marking notes

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

Maximum surface temperature:

gases: temperature class T6 or T5 or T4 (tab. 1);

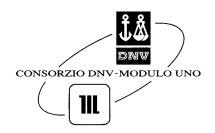
flammable dust: T85°C or T100°C or T135°C (tab. 1).

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

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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.

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**Technical documentation** 

Document	Name	Date, revision or reference	Scheduled drawing					
Analisi dei rischi di natura elettrica.	XXX	XXX						
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						
Drawings related to technical documentation								
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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