



CESI
Centro Elettrotecnico
Sperimentale Italiano
Giacinto Motta SpA

Via R. Rubattino 54
20134 Milano - Italia
Telefono +39 022125.1
Fax +39 0221254440
www.cesi.it

Capitale sociale 8 550 000 €
interamente versato
Codice fiscale e numero
iscrizione CCIAA 00793580150

Registro Imprese di Milano
Sezione Ordinaria
N. R.E.A. 429222
P.I. IT00793580150

EC-TYPE EXAMINATION CERTIFICATE

- [1] **Equipment or Protective System intended for use
in potentially explosive atmospheres
Directive 94/9/EC**
- [2] EC-Type Examination Certificate number:
CESI 05 ATEX 017
- [3] Equipment: **Explosion Proof Limit Switch Type DNLF**
- [4] Manufacturer: **Rotex Automation Limited**
- [5] Address: **987/11, GIDC, Makarpura Vadodara 390010 -India**
- [6] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [7] CESI, notified body n. 0722 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential report n. EX-A5/005684.
- [8] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 : 2006 EN 60079-1 : 2005 EN 61241-1 : 2004 EN 61241-0 : 2004
- [9] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- [10] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- [11] The marking of the equipment or protective system shall include the following:

II 2GD Ex d IIC T6, Ex tD A21 IP 66 T 85° C

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

Date 28 September 2007 – Revision n. 01 of the certificate issued the 16th february 2005
Translation issued the 28st September 2007

Prepared
Pierluigi Molinari

Verified
Mirko Balaz

Approved
Fiorenzo Bregani

CESI S.p.A.
Divisione Energia
"Area Tecnica Certificazione"
Il Responsabile

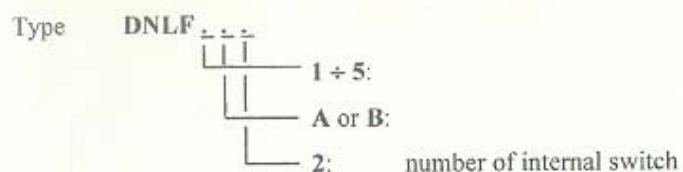
[13]

Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE n. CESI 05 ATEX 017

[15] **Description of equipment**

The explosion proof Limit Switch type DNLF 1A2, made in light metals is used as accessory on the rotary actuators. They are identified by the following code:



Electrical characteristics

- Rated voltage: according to the internal switch 8 Vdc, 125 or 250 Vac
- Rated frequency: 50 or 60 Hz ±5%
- Maximum dissipable power: 10 W
- Degree of protection: IP 66 (EN 60529)
- Ambient temperature: -20 + +60 °C

The accessories used for cable entries shall be certified in accordance with EN 50014, EN 50018, EN 50281-1-1 or EN 60079-0, EN 60079-1, EN 61241-1 and EN 61241-0 standards, marked II2GD and shall guarantee a degree of protection IP 66 at least and shall be suitable for the operating temperature of the limit switch.

[16] **Report no. EX-A5/005684.**

Routine tests

The Manufacturer must carry out the routine tests specified in paragraph 27 of EN 60079-0 Standard and at paragraph 16 of EN 60079-1 Standard. The routine overpressure test shall be carried out at 12 [bar] with the static method (par. 15.1.3.1 of EN 60079-1 Standard).

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Schedule

[13]

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 05 ATEX 017**

Descriptive documents (prot. EX-A5/005685)

Technical file ATEX /12/004 (69 sheet) Rev. 0 dated 04.07.2006

Drawing name plate WN2701 (1 sheet) Rev. 0 dated 04.07.2006

Manual of instruction WPLS/CE/001 (4 sheet) Rev. 0 dated 04.07.2006

Declaration of conformity (1 sheet) Rev. 0 dated 04.07.2006

One copy of all documents is kept in CESI files.

[17] **Special conditions for safe use**

None.

[18] **Essential Health and Safety Requirements**

Assured by compliance with Standards follows:

EN 60079-0: 2006, EN 60079-1: 2005, EN 61241-1: 2004, EN 61241-0: 2004, EN 50014: 1997 + A1..A2, EN 50018: 2001 + A1, EN 50281-1-1: 1998 + A1.