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

[1] **EC-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use
 in potentially explosive atmospheres
 Directive 94/9/EC**

[3] EC-Type Examination Certificate number:
CESI 03 ATEX 302

[4] Equipment: Switch-box type GT BEP

[5] Manufacturer: **GT ATTUATORI S.r.l.**

[6] Address: Viale Europa, 17 – 20090 Cusago (MI) - Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] 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-A3/038115.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + A1..A2; EN 50018: 2000 + A1; EN 50281-1-1: 1998 + A1

[10] 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.

[11] 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.

[12] The marking of the equipment or protective system shall include the following:

II 2 GD EEx d IIB T6 IP 66 T 85 °C

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

Date 12 November 2003 - Translation issued the 12th November 2003

Prepared
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Verified
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Approved
 Ulisse Colombo

CESI
CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO
 Business Unit Certificazione

Ul. Responsabile
[Signature]

Schema di certificazione

CESI-ATEX

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 302**

[15] **Description of equipment**

Switch-box type GT BEP for indicating open/close of actuators.

Electrical characteristics

Sensor type:	Proximity	Inductive	Micro switch
Maximum rated voltage:	10 ÷ 60 V	25 ÷ 30 V	250 V
Maximum rated current:	200 mA	100 mA	5 A
Frequency:	3 kHz	--	50 / 60 Hz
Ambient temperature:	-20 ÷ +70 °C		
Degree of protection:	IP 66 (EN 60529: 1991 + A1)		
Temperature class for boxes of category 2 G:	T6		
Max surface temperature for boxes of category 2 D:	T 85 °C		

The accessories used for cable entries and for the closing of unused holes shall guarantee a minimum degree of protection IP 66 according to the standard EN 60529 and shall be certified according to the standards EN 50014, EN 50018 and EN 50281-1-1.

If cylindrical threads are used, the coupling between the accessory and the enclosure shall be blocked to prevent loosening according to the requirements indicated in the safety instructions or according to the accessory certificate.

Warning label

“Disconnect supply before opening”

“Use screws UNI 5931 AISI 304 A2-70”

[16] **Report n. EX-A3/038115**

Routine tests

The manufacturer shall carry out the routine tests prescribed at paragraph 24 of the EN 50014 standard and at paragraph 16 of the EN 50018 standard.

The routine overpressure test shall be carried out with the static method at 9 bar (paragraph 15.1.3.1 of EN 50018 standard).

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[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 302**

[16] **Report n. EX-A3/038115 (follows)**

Descriptive documents (prot. EX-A3/038158)

- Drawing n. 37-0031 Rev. 02	dated	14.10.2003
- Drawing n. 37-0032 Rev. 01	dated	24.06.2003
- Drawing n. 37-0034 Rev. 01	dated	24.06.2003
- Drawing n. 90-0581 Rev. 04	dated	14.10.2003
- Drawing n. 90-0603 Rev. 03	dated	12.05.2000
- Drawing n. 90-0755 Rev. 01	dated	11.11.2003
- Drawing n. 90-0589 Rev. 05	dated	13.10.2003
- Drawing n. 90-0335 Rev. 05	dated	13.10.2003
- Drawing n. 90-0735 Rev. 01	dated	27.06.2003
- Drawing n. 90-0737 Rev. 02	dated	13.10.2003
- Drawing n. 90-0728 Rev. 01	dated	26.03.2003
- Drawing n. 90-0736 Rev. 01	dated	27.06.2003
- Drawing n. 90-0339 Rev. 05	dated	13.10.2003
- Drawing n. 21-2416 Rev. 01	dated	13.10.2003
- Drawing n. 90-0756 Rev. 01	dated	11.11.2003
- Drawing n. 90-0757 Rev. 01	dated	11.11.2003
- Drawing n. 90-0758 Rev. 01	dated	11.11.2003
- Technical Note (2 pg.)	dated	25.09.2003
- Safety instructions (7 pg.)	dated	11.11.2003
- Declaration of conformity	dated	11.11.2003

One copy of all documents is kept in CESI files.

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

None.

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

Covered by standards.

EXTENSION n. 01/07

to EC-Type Examination Certificate CESI 03 ATEX 302

Electrical characteristics

Type of sensor used to pick up position:	<i>Proximity</i>	<i>Inductive</i>	<i>Micro-switch</i>
Maximum rated voltage:	10 ÷ 60 V	25 ÷ 30 V	250 V
Maximum rated current:	200 mA	100 mA	5 A
Frequency:	3 kHz	--	50 / 60 Hz
Ambient temperature:	-20 ÷ +70 °C		
Degree of protection:	IP 66 (EN 60529)		
Temperature class and maximum surface temperature:	T6 T 85 °C		

Warning label

“Disconnect supply before opening the enclosure”

“Use screws UNI 5931 AISI 304 A2-70”

Report n. EX- A7028165

Routine tests

The manufacturer shall carry out the routine tests prescribed at clause 27 of the standard EN 60079-0, at clause 16 of EN 60079-1 and at clause 24 of EN 61241-0.

The routine overpressure test on the enclosure shall be carried out at 9 bar using the static method (paragraph 15.1.3.1 of EN 60079-1 standard).

Descriptive documents (prot. EX-A7028164)

Technical note (2 sheets)	dated 13/09/2007
Safety Instructions (7 sheets)	dated 13/09/2007
Declaration of conformity	dated 13/09/2007
Drawing n. 37-0055 ed. 00	dated 19/09/2007
Drawing n. 37-0056 ed. 00	dated 19/09/2007
Drawing n. 37-0057 ed. 00	dated 19/09/2007

One copy of all documents is kept in CESI files.

Essential Health and Safety Requirements

Essential health and safety requirements are assured by conformity to the standards:

- EN 60079-0: 2006 Electrical equipments for explosive gas atmosphere – general requirements
- EN 60079-1: 2007 Flameproof enclosures “d”
- EN 61241-0: 2006 Electrical equipments for use in presence of combustible dust – general requirements
- EN 61241-1: 2004 Enclosures protected against dust “tD”

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