

CESI

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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

Schema di certificazione

EX-ATEX

CESI

Il CESI è stato autorizzato
dal governo italiano ad
operare quale organismo di
certificazione di apparecchi
e sistemi destinati a essere
utilizzati in atmosfera
potenzialmente esplosiva
con D.M. 1/3/1983, D.M.
19/6/1990, D.M. 20/7/1998
e D.M. 27/9/2000

CERTIFICATE



TYPE EXAMINATION CERTIFICATE

- [1] **Category 3 Equipment intended for use
in potentially explosive atmospheres
Directive 94/9/EC**
- [2] **Type Examination Certificate number:**
CESI 02 ATEX 074
- [3] **Equipment:** **Field Indicator
Type 695 FI**
- [4] **Manufacturer:** **ABB Instrumentation S.p.A.**
- [5] **Address:** **Via Statale 113 - 22016 Lenno (CO) - Italy**
- [6] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [7] CESI certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.
- The examination and test results are recorded in confidential report n. EX-A2/026489.
- [8] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 50021: 1999 EN 50281-1-1:1998**
- [9] If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- [10] This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [11] The marking of the equipment shall include the following:

II 3 GD EEx nL IIC T6 / T4 IP67 T50°C / T95°C

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

Date August 26, 2002 - Translation issued the August 26, 2002

Prepared
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CENTRO ELETTECNICO SPERIMENTALE ITALIANO
Business Unit Certificazione

Il Responsabile

[13]

Schedule

[14] **TYPE EXAMINATION CERTIFICATE n. CESI 02 ATEX 074**

[15] **Description of equipment**

The Field indicator type 695 FI is an instrument which provides a field indication of a process variable, normally converted into 4÷20 mA standard signal. The Field Indicator comprises the terminal block and the meter of various type, all housed within metallic enclosure composed by the body and the cover with glass window.

The Field Indicator 695 FI shall be fitted with a digital meter model COMETER series 600T certified on CESI 99 ATEX 076U, or a digital meter model PROMETER certified on CESI 01 ATEX 060U, or an analogue meter with linear scale EL 0001 or square root scale EL 0002, or a digital meter LCD.

The accessories used for cable entries and to close the unused entries shall be in conformance to EN 50021 standard and shall guarantee a degree of protection IP 67 minimum.

Electrical characteristics

Safety Input Parameters				Category		Ambient temperature T_{amb}
Ui [Vdc]	Ii [mA]	Ci [nF]	Li [mH]	3 G	3 D	
				Temperature class	Maximum surface temp.	
42	25	13	0,22	T6	T 50°C	-40° ÷ +40°C
				T4	T 95°C	-40° ÷ +85°C

Degree o protection: **IP 67**

Warning label

“Use supply cable suitable for 5° above maximum ambient temperature”.

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[13]

Schedule

[14] **TYPE EXAMINATION CERTIFICATE n. CESI 02 ATEX 074**

[16] **Report n. EX-A2/026489**

Routine tests

The manufacturer shall carry out the routine tests prescribed at clause 27 of EN 50021 Standard.

Descriptive documents (prot. EX-A2/026494)

- Technical note 1H5-15-288XE (ATEX)	dated	17.06.2002
- 1H5-15-00286	dated	02.10.2000
- 1H5-15-00286/A	dated	02.10.2000
- Addendum for Ex safety aspects (europe)	dated	17.06.2002
- 1H5-15-00288	dated	12.06.2002

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 to the Standards indicated at page 1.