

CERTIFICATE



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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
CESI-ATEX

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 085

[4] Equipment: Sealing fittings series EYS - EZS - EYD - EZD.

[5] Manufacturer: **ELFIT S.p.A.**

[6] Address: Via Aquileia 12, Villesse (Gorizia - 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-A3/014727.

[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 IIC IP 66



II 2 G EEx d IIC

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

Date August 20th, 2003 translation issued on August 20th, 2003

Prepared
Mezzetti Sergio

Verified
Mirko Balaz

Approved
Ulisse Colombo

(PUBBLICAMENTE CERTIFICATO Sperimentale Italiano)

Centro Elettrotecnico Sperimentale Italiano

Via Rubattino 54 - 20134 Milano - Italia

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

[13]

Schedule

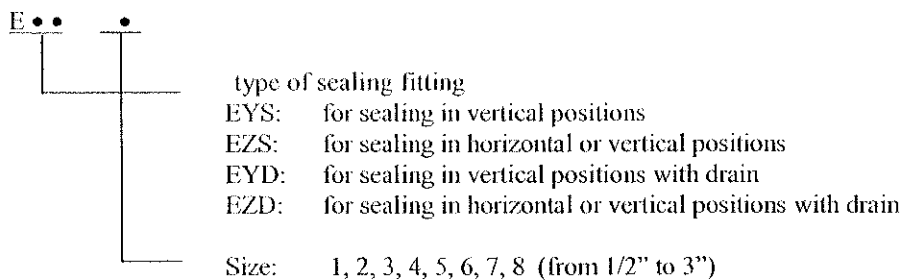
[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 085**

[15] **Description of equipment**

The sealing fittings series EYS, EZS, EYD and EZD are the stooing boxes with compound filling and are suitable to be mounted on cable conduit or on flameproof enclosures.

The sealing fittings series EYS and EZS are also protected against the risk of explosion for the presence of combustibile dusts according to the standard EN 50281-1-1.

The various types of sealing fittings are identified by a code as follows:



The constructional characteristics and the identification of the different types of sealing fittings are reported in the documents annexed to this certificate.

The fittings can be made in aluminium alloy, brass, steel (AISI) or in stainless steel.

Threads normally used are GAS UNI ISO 7/1. Other equivalent cylindrical or tapered threads can be used in alternative.

Operating temperature range of sealing fittings (related to sealing compound used): $-20 \div +80$ °C

The sealing fittings series EYS and EZS, when coupled with the enclosures or with cable conduit as indicated in the documents annexed to this certificate, are in conformity with the specifications of the standard EN 60529 (1991) for the degree of protection IP 66.

The sealing fittings are approved to be used with setting compound provided by manufacturer and may be applied by the installer or user of electrical apparatus following the manufacturer's instructions.

The sealing fittings shall be coupled with the enclosures or with cable conduit as indicated by the manufacturer in the documents annexed to this certificate in order not to jeopardise the type of protection of the electrical apparatus on which the sealing fittings are mounted.

The marking of the sealing fittings series EYS and EZS, shall include the following:

II 2 GD EEx d IIC IP 66

The marking of the sealing fittings with drain series EYD and EZD shall include the following:

II 2 G EEx d IIC

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

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 085**

[16] **Report n. EX-A3/014727**

Routine tests

The manufacturer shall carry out the routine tests prescribed at clause 24 of the EN 50014 standard.

Descriptive documents (prot. EX-A3/014731)

- n° A4-893 Rev. 0 (12 p.)	dated	25.05.2003
- n° A3-313 Rev. 0	dated	15.06.2003
- n° A3-314 Rev. 0	dated	15.06.2003
- n° A3-315 Rev. 0	dated	15.06.2003
- n° A3-316 Rev. 0	dated	15.06.2003
- n° A3-317 Rev. 0	dated	15.06.2003
- n° A3-318 Rev. 0	dated	15.06.2003
- n° A3-319 Rev. 0	dated	26.01.2003
- n° A4-894 Rev. 0	dated	27.01.2003
- n° A3-320 Rev. 0	dated	24.05.2003
- n° A3-321 Rev. 0	dated	24.05.2003
- n° A3-332 Rev. 0	dated	14.06.2003
- n° A3-333 Rev. 0	dated	14.06.2003
- n° A3-334 Rev. 0	dated	14.06.2003
- n° A3-335 Rev. 0	dated	14.06.2003
- n° A3-336 Rev. 0	dated	14.06.2003
- n° A3-337 Rev. 0	dated	14.06.2003
- n° A3-338 Rev. 0	dated	14.06.2003
- n° A3-339 Rev. 0	dated	14.06.2003
- n° A4-976 Rev. 0	dated	15.06.2003
- n° A4-977 Rev. 0	dated	15.06.2003
- n° A4-978 Rev. 0	dated	15.06.2003
- n° A4-979 Rev. 0	dated	15.06.2003
- n° A4-980 Rev. 0	dated	14.06.2003
- n° A4-981 Rev. 0	dated	14.06.2003
- n° A4-982 Rev. 0	dated	14.06.2003
- n° A4-983 Rev. 0	dated	14.06.2003
- n° A4-984 Rev. 0	dated	31.07.2003
- n° A4-985 Rev. 0	dated	31.07.2003
- n° A4-986 Rev. 0	dated	31.07.2003
- n° A4-987 Rev. 0	dated	12.08.2003
- n° A4-988 Rev. 0	dated	12.08.2003
- n° A4-989 Rev. 0	dated	12.08.2003
- n° A4-990 Rev. 0	dated	12.08.2003
- n° A4-991 Rev. 0	dated	12.08.2003
- n° A4-992 Rev. 0	dated	12.08.2003
- n° A4-993 Rev. 0	dated	12.08.2003
- n° A4-994 Rev. 0	dated	12.08.2003
- n° A4-996 Rev. 0	dated	12.08.2003
- Mounting instructions Annexe A5 Rev. 0 (10 p.)	dated	16.06.2003
- EC declaration of conformity n° CE/001	dated	24.05.2002

One copy of the above mentioned documents is kept in CESI files.

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 085**

[17] **Special conditions for safe use (X)**

None.

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

Covered by standards.

EXTENSION n. 01/07



to EC-Type Examination Certificate CESI 03ATEX 085

Equipment: Sealing fittings series EYS, EZS, EYD, EZD

Manufacturer: EL.FIT S.p.A.


Address: Via Aquileia 12, Villesse (GO)

Admitted variation

- Upgrade to EN 60079-0 (2006), EN 60079-1 (2004), EN 61241-0 (2006), EN 61241-1 (2004) Standards
- Upgrade of nameplate

Equipment identification

The sealing fittings series EYS and EZS shall include the following markings:

 II 2GD Ex d IIC, Ex tD A21 IP66

The sealing fittings series EYD and EZD shall include the following markings:

 II 2G Ex d IIC

This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 03ATEX085.

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date 18/05/2007 - translation issued the 18/05/2007

prepared Sergio Mezzetti

verified Mirko Balaz

approved Fiorenzo Bregani

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Centro Elettrotecnico Sperimentale Italiano
Giacinto Motta SpA

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EXTENSION n. 01/07

to EC-Type Examination Certificate CESI 03ATEX 085

Report n. EX-A7013785

Routine tests

The manufacturer shall carry out the routine tests prescribed at par. 27 of the EN 60079-0 (2006) and at par. 24 of the EN 61241-0 (2006) Standards.

Descriptive documents (prot. EX-A7013786)

- Technical Note A4-1132 (5 pg.)	Rev. 01	dated	06/04/2007
- Drawing n°. A3-320	Rev. 01	dated	13/03/2007
- Drawing n°. A4-1130	Rev. 00	dated	06/04/2007
- Drawing n°. A4-1131	Rev. 00	dated	06/04/2007
- EC Declaration of Conformity		dated	13/03/2007
- Safety Instruction A5 (10 pg.)	Rev. 02	dated	13/03/2007

One copy of all documents is kept in CESI files.

Essential Health and Safety Requirements

The Health and Safety Requirements are assured by compliance with the following Standards:

- EN 60079-0 : 2006: Electrical apparatus for explosive gas atmospheres.
General requirements
- EN 60079-1 : 2004 Flamoproof enclosures "d".
- EN 61241-0 : 2006 Electrical apparatus for use in the presence of combustible dust.
General requirements
- EN 61241-1 : 2004 Protection by enclosures "tD"

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