

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

CESI-ATEX

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

ATEX E C-02

CERTIFICATE



EC-TYPE EXAMINATION CERTIFICATE

[1]

[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 201

[4]

Equipment: Grounding Clamp type PMT-B2

[5]

Manufacturer: **COR.TEM S.p.A.**

[6]

Address: Via Aquileia 10, 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- A3/024598.

[9]

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

EN 50014:1997+A1.. A2 EN 50018:2000+A1 EN50281-1-1:1998+A

[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 2GD EEx d IIC T6 IP 66 T85°C

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

Date July 7th, 2003 translation issued on July 7th, 2003

Prepared
Mirko Balaz

Approved
Ulisse Colombo

AGENZIA ITALIANA DI CERTIFICAZIONE
Business Unit Certification
Via R. Rubattino 54
20134 Milano - Italia

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 03 ATEX 201**

[15] **Description of equipment**

Grounding Clamp type PMT-B2.

The detailed description of the grounding clamps and their constructional characteristics are reported in the documents annexed to this certificate.

Cable entry

The grounding clamp type PMT-B2 is provided with a cable entry suitable for cables with minimum conductor cross-section of 16 mm² and having external sheath diameter from 11 to 14 mm.

Electrical characteristics

- Insulation voltage: 3 kV
- Rated current: 20 A
- Ambient temperature: -20 ÷ +50 °C

Warning label

None.

[16] **Report n. EX- A3/024598**

Routine tests

The manufacturer shall carry out the routine tests prescribed at clause 24 of the EN 50014 standard.
The enclosures have a free volume less than 10 cm³.

Descriptive documents (prot. EX-A3/024605)

- | | | |
|---|-------|------------|
| - Technical note n. A4-4476 Rev. 0(2 pg.) | dated | 04.06.2003 |
| - Drawing n. A1-4475 Rev. 0 | dated | 04.06.2003 |
| - Technical sheet of sealing gasket BlueTech (2 p.) | dated | 04.06.2003 |
| - Technical sheet of Nylon 66 body (2 p.) | dated | 04.06.2003 |
| - Safety instructions n. F-282 Rev. 0 (4 pg.) | dated | 04.06.2003 |
| - EC declaration of conformity CE/0043 Rev. 0 | dated | 04.06.2003 |

One copy of all documents is kept in CESI files.

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 201**

[17] **Special conditions for safe use**
None.

[18] **Essential Health and Safety Requirements**
Covered by standards.

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EXTENSION n. 01/07



to EC-Type Examination Certificate CESI 03ATEX201


Equipment: Grounding clamp series PMT-B2
 Manufacturer: **COR.TEM S.p.A.**
 Address: Via Aquileia 10, Villesse (Gorizia), Italia

Admitted variation

- Upgrade to EN 60079-0: 2006, EN 60079-1: 2004, EN61241-0: 2006 and EN 61241-1: 2004 standards.
- Upgrade to nameplate.
- New range of temperature (-20° C +55° C).

Identification equipment

The equipment shall include the following marking.

 II 2GD Ex d IIC T6 Ex tD A21 IP 65 T85°C

This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 03ATEX201.

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date 23.10.2007 - translation issued the 23.10.2007

prepared Pierluigi Molinari

verified Mirko Balaz

approved Fiorenzo Bregani

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

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EXTENSION n. 01/07

to EC-Type Examination Certificate CESI 03ATEX201

Electrical characteristics

- Insulation voltage: 3 kV
- Rated current: 20 A
- Ambient temperature: $-20 \div +55$ °C

Cable entry

The grounding clamp type PMT-B2 is provided with a cable entry suitable for cables with minimum conductor cross-section of 16 mm^2 and having external sheath diameter from 11 to 14 mm.

Report n. EX-A7/029954

Routine tests

The manufacturer shall carry out the routine tests prescribed at clause 27 of the EN 60079-0 standard. The enclosures have a free volume less than 10 cm^3 .

Descriptive documents (prot. EX-07/028046)

- | | | | |
|-------------------------------------|--------|-----|------------|
| - Technical note A4-4689 | Rev. 0 | del | 20.03.2007 |
| - Drawing n° A4-4951 | Rev. 0 | del | 02.04.2007 |
| - Drawing n° A4-4952 | Rev. 0 | del | 02.04.2007 |
| - Safety instruction F-282 | Rev. 1 | del | 20.03.2007 |
| - Declaration of conformity n° 0043 | | del | 20.03.2007 |

One copy of all documents is kept in CESI files.

Essential Health and Safety Requirements

Compliance with the Health and Safety Requirements has been assured by compliance with the following standards:
EN 60079-0: 2006 - Electrical apparatus for explosive gas atmospheres. Part 0: General requirements
EN 60079-1: 2004 - Electrical apparatus for explosive gas atmospheres. Part 1: Flameproof enclosures "d"
EN 61241-0: 2006 - Electrical apparatus for use in the presence of combustible dust. Part 0: General requirements
EN 61241-1: 2004 - Electrical apparatus for use in the presence of combustible dust. Part 1: Protection by enclosures "tD".

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