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**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 01 ATEX 035**

[4] Equipment: Terminal boxes series CCA..., GUB..., CCAI...

[5] Manufacturer: **COR.TEM S.p.A.**

[6] Address: Via Aquileia 6, 34070 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-A1/015453.

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

**EN 50014: 1997 + A1...A2 EN 50018: 2000 EN 50281-1-1:1999**

[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 T6 or T5 IP 66 T85 or T100°C**

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

date November 9<sup>th</sup>, 2001 - translation issued on November 15<sup>th</sup>, 2001

prepared CERT - M. Balaz

**CESI****CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO****Business Unit Certificazione****51. Responsabile**

approved CERT - U. Colombo

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## Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE N. CESI 01 ATEX 035**

[15] **Description of equipment**

Terminal boxes series CCA..., GUB..., CCAI...

The enclosures of these terminal boxes are made in aluminium or in stainless steel (see technical note A4-4117 annexed to this certificate).

The CCA... and GUB... series are identical in every detail. The code CCA or GUB refers only to the firm which puts the product into the market.

The various items of the code show the size of the enclosure (volumes from 0.5 to 32 dm<sup>3</sup>), constructional types, the type of material used.

The complete codes of all the units subject of this certificate are reported in the drawing A1-4114 annexed to this certificate.

The enclosures of the terminal boxes are subject of the certificate of component CESI 01 ATEX 034 U. All the constructional details of the enclosures are reported in the drawings annexed to this certificate of component.

### Electrical characteristics

Rated voltage 24 ÷ 800 [V]

Rated frequency 50 ÷ 60 [Hz]

### Terminals

Terminal section 2.5; 4; 6; 10; 16; 25; 35; 70; 95; 120; 185; 240 [mm<sup>2</sup>]

Rated current 12.5 ÷ 400 [A]

Max. current density 1.65 ÷ 7 [A/mm<sup>2</sup>]

### Terminal blocks

Terminal section 3x16; 4x16; 3x25; 4x25; 3x40; 4x40; 3x70; 4x70; 3x125; 4x125;  
3x200; 4x200; 3x315 [mm<sup>2</sup>]

Rated current 48 ÷ 252 [A]

Max. current density 0.8 ÷ 3 [A/mm<sup>2</sup>]

The type and number of terminals which can be installed in the various enclosures is indicated in detail, together with the maximum admissible currents and current densities, in the drawing A1-4114 and in the safety instructions mod. F-255 annexed to this certificate.

Ambient temperature - 20 ÷ + 40 °C

- 20 ÷ + 55 °C

Temperature class for category 2G terminal boxes:

T6 for ambient temperature - 20 ÷ + 40 °C

T5 for ambient temperature - 20 ÷ + 55 °C

Maximum surface temperature for category 2D terminal boxes:

T85°C for ambient temperature - 20 ÷ + 40 °C

T100°C for ambient temperature - 20 ÷ + 55 °C

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## Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE N. CESI 01 ATEX 035**

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

### Warning label

“Use screws of quality A2-70 according UNI 7323 with ultimate tensile strength of at least 700 N/mm<sup>2</sup>”.

### Additional warnings

In case of enclosures of temperature class T5 :

“Use cables suitable for a temperature of 90 °C”

[16] **Report n. EX-A1/015453**

### Routine tests

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

The routine overpressure test shall be carried out with the static method (clause 15.1.3.1 of EN 50018 standard) at the pressure of 13.5 bar.

### Descriptive documents (prot. EX-A1/015456)

- n. A4-4117 Rev. 0 (2 p.)	dated 28.08.2000
- n. A1-4114 Rev. 1 (3 p.)	dated 03.08.2000
- n. A4-4129 Rev. 0	dated 26.06.2000
- Safety instructions mod. F-255 Rev. 0 (5 p.)	dated 28.08.2000
- EC declaration of conformity n° CE/0021	dated 28.08.2000

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.