



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

[2] **Component intended for use on/in equipment or protective system
intended for use in potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate number:

CESI 01 ATEX 004 U

[4] Component: Empty enclosures series CCF...and EJB... for control and signaling equipment

[5] Manufacturer: **FONDISONZO ITALIA S.r.l.**

[6] Address: Via Aquileia Z.I., 34076 Romans d'Isonzo (Gorizia), Italy

[7] This component 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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-A1/003158.


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

EN 50014: 1997 + A1..A2 EN 50018: 2000

[10] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified component in accordance with the directive 94/9/EC.
Further requirements of the directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12] The marking of the component shall include the following:

 **II 2 G EEx d IIB**

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

date February 12th, 2001 - translation issued on February 24th, 2001

prepared CERT - M. Balaz

CESI

CENTRO ELETTROTECNICO SPERIMENTALE ITALIANO
Responsabile Area Certificazione

approved CERT - U. Colombo

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Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE N° CESI 01 ATEX 004 U**

[15] Description of component

Empty enclosures series CCF... and EJB... for control and signaling equipment.

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

The various items of the code show the size of the enclosure (from 1 to 6), constructional modifications, the type of material used, the presence of glass windows.

The complete codes of all the enclosures subject of this certificate are reported in the drawing EE.221.1 annexed.

The enclosures are made normally in aluminium or in stainless steel (see technical note A1-4099 annexed).

Other characteristics of the enclosures are reported in the drawings annexed to this certificate, in particular:

- holes on the covers used for mounting accessories: drawing EE.225.1
- dimensions and characteristics of glass windows: drawing EE.224.1
- number and dimensions of possible holes for cable entries: drawing EE.222.1

The accessories used for cable entry and for closing unused apertures shall be certified according to the standards EN 50014 and EN 50018.

Plate warnings

"Use screws of quality A2-70 according UNI 7323 with ultimate tensile strength of at least 700 N/mm²."

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Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE N° CESI 01 ATEX 004 U**

[16] Report N° EX-A1/003158

Routine tests

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

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

- 11.9 bar for enclosures of size from 1 to 5
- 11.5 bar for enclosures of size 6

Descriptive documents (prot. EX-A1/003157)

- | | |
|---|------------------|
| - Technical note n° A4-4099 Rev. 0 (2p.) | dated 26.06.2000 |
| - Drawing n° A4-4129 Rev. 0 | dated 25.01.2001 |
| - Drawing n° EE.221.1 Rev. 0 | dated 26.06.2000 |
| - Drawing n° EE.222.1 Rev. 0 | dated 26.06.2000 |
| - Drawing n° EE.224.1 Rev. 0 | dated 26.06.2000 |
| - Drawing n° EE.225.1 Rev. 0 | dated 26.06.2000 |
| - Drawing n° EE.226.1 Rev. 0 | dated 26.06.2000 |
| - Attestation of conformity for components n° STA001-01 | dated 09.07.2000 |
| - Safety instructions n° SAF001-01 Rev. 0 (4 p.) | dated 26.06.2000 |

[17] Schedule of limitations

The cementing used for the windows and the pilot lights shall not be submitted to a temperature higher than 100 °C.

The pilot lights shall not be submitted to high risk of mechanical danger.

[18] Essential Health and Safety Requirements

Covered by standards