

- (1) *EC - Type Examination Certificate*
- (2) *Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC*
- (3) EC-Type Examination Certificate Number TPS 08 ATEX 61951 4
- (4) Equipment: Junction box, type A11- • • - • • • • •
- (5) Manufacturer: Exepd GmbH
- (6) Address: Becksteinerstraße 100/23 97922 Lauda-Königshofen, Germany
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) TÜV SÜD Product Service, notified body No. 0123 in accordance with Article 9 of the Council Directive 94/9/EC of March 23'd 1994, certifies that this equipment 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 I of the Directive. The examination and test results are recorded in the confidential report 1170291.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
 - EN 60079-0:2004
 - EN 60079-11:2007
 - EN 60079-7:2007
 - EN 61241-0:2006
 - EN 61241-1:2004
- (10) 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.
- (11) This EC Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.
- (12) *The marking of the equipment shall include the following:*
 - ⊕ II 2G Ex e II T6 or ⊕ II 2G Ex e (ia) IIC T6 and/or
 - ⊕ II 2D Ex tD A21 IP 6X T80°C -50 °C ≤ Ta ≤ +60°C

Office of certification of explosion protection
Filderstadt, 07.05.2007

Andreas Pfeil

According internally administrated Document Ex08 05 61951 004

(13) Schedule

(14) EC - Type Examination Certificate TPS 08 ATEX 61951 4

(15) Description of equipment:

The enclosure of the Junction box is manufactured exclusively by stainless steel with steel grade 1.4301 or 1.4404.

Code of type:

A = Ex product

1 = junction box

1 = 2GD max. category

-

** = Main protection system: E = "e"; T = "tD A21"*

** = Main material enclosure: 3 = stainless steel V2A; 4 = stainless steel V4A*

-

** = width of box*

** = width of box*

** = width of box*

** = depth of box*

** = depth of box*

max. Rated voltage: 1100 V

max. Rated current: 500 A

max. Terminal cross-section: 300 mm²

max. Power loss: 500 W

(16) Test report:

The Test documentation are listed in test report 1170291

(17) Special conditions for safe use:

none

Notice for manufacturing and operation:

1. the effective electrical values will be dimensioned by the installed terminals

2. to meet the temperature class T6, the max. power loss of 500 W must no exceed. The calculation has to be according the description of the manufacturer (see control drawing A11-A0-G0009 und Calculation procedure of the manufacturer)

3. intrinsically safe terminals must be parted to the not intrinsically safe terminals, by using a suitable separating plate or by clearance with minimum 50 mm.

(18) Essential health and safety requirements:

Fulfilled by conformance of afore mentioned standards.

TÜV SÜD Product Service GmbH . Zertifizierstelle . Ridlerstrasse 65 . 80339 München Germany

Remarks by Exepd

The original EC-type-certificate has 3 pages

Type Examination-Certificate without signature and official stamp shall not be valid. The certificates may be circulated only without alteration.

Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH.

In case of dispute, the German text shall prevail.