



Product Service

(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 07 ATEX 61951 1



(4) Equipment: **Control- and junction box, type A21- . . . -**

(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 23rd 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 II of the Directive.

The examination and test results are recorded in the confidential report 71317452-1.

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

- | | |
|------------------------|------------------------------------|
| EN 60079-0:2004 | prEN 61241-0:2002 |
| EN 60079-7:2003 | prEN 61241-0:2004/prAA:2005 |
| | 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 2 G Ex e II T4/T6 and/or II 2 G Ex ia IIC T6 or
 II 2 D Ex tD A21 IP6X T 80 °C

Office of certification of explosion protection

Filderstadt, 07.05.2007

Klaus Gohlke



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.

The document is internally administrated under the following number: EX5 07 04 61951 002

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



Schedule

(13)

(14) **EC-Type Examination Certificate TPS 07 ATEX 61951 1**

(15) Description of equipment:

The control- and junction box, type A21-•••-•••••, is a non-portable installed, explosion protected electrical equipment for use in explosive areas by zone 1 or zone 21.

It is used for the installation of electrical components, internal and external mounted as well as for their electrical connecting parts and accessories. Wall fixing of control- and junction box is done by defined fixing possibilities.

The case of the control- and junction box, consisting of the materials Polyester, Aluminium, coated steel plate or stainless steel, in which

- in category 2G combinations of separate certified cable glands, control panels, extensions and inner equipments, connecting parts and/or inner equipments, cable glands and connecting parts with type of protection intrinsically safe "i" will be installed.
- in category 2D combinations of separate certified cable glands and control panels with degree of protection IP6X or better and if necessary appropriate industrial inner equipments and connecting parts will be installed.

Code of types:

A	2	1	-	•	•	-	•	•	•	•	•
1	2	3		4	5		6	7	8	9	10

- 1: Kind of product: A= Ex product
- 2: Main-building class: 2 = Control- and junction box with fixtures
- 3: max. category: 1 = 2G/2D
- 4: Main protection system: E = Ex e; I = Ex i; T = Ex tD
- 5: Main material: 1 = Polyester; 2 = Aluminium; 3 = V2A; 4 = V4A; 5 = Steel plate
- 6 to 8: Width of box or variant
- 9 and 10: Depth of box or variant

Technical Data:

Rated voltage:	max. 1100 V AC/DC *)
Rated current:	max. 125 A AC/DC *)
Terminal cross-section:	max. 35 mm ²
Power loss:	max. 500 W **)
Ambient temperature:	-50 °C ≤ T _a ≤ +60 °C ***)

- *) depends on rated values of the components
- ***) depends on terminal cross-section, quality of wire, heating of box and ambient temperature
- ***) depends on material and application



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(16) Test report: 71317452-1

(17) Special conditions for safe use:

none

Notices for manufacturing and operation:

1. The effectively electrical values will be dimensioned by the installed parts.
2. The respective temperature class will be appoint from the manufacturer after routine testing under observance of the signed rated values, the parts and the ambient conditions according to EN 60079-0 and prEN 61241-0 respectively.
3. The final designation of the equipment follows from the used type of protection, data of the parts, ambient conditions and the ascertained temperature class.
4. Inner equipments for intrinsically safe circuits have to be taken place, that necessary distances, creepages and clearances between intrinsically safe and intrinsically safe circuits are strictly adhered.
5. It is not allowed to install retrospectively additional equipments into a control- and junction box.

(18) Essential health and safety requirements:

Fulfilled by conformance of afore mentioned standards.

Office of certification of explosion protection

Filderstadt, 07.05.2007



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