



CONFORMITY STATEMENT

(Translation)

- (1)
- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**
- (3) Test Certificate Number:

PTB 07 ATEX 2035 X

- (4) Equipment: Junction Box JRBS-40.../Ex
- (5) Manufacturer: HANS TURCK GMBH & CO KG
- (6) Address: Witzlebenstraße 7, 45472 Mülheim an der Ruhr, Germany
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physikalisch-Technische Bundesanstalt, on the basis of the Council Directive 94/9/EC of 23 March 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 to the Directive.
The examination and test results are recorded in the confidential report PTB Ex 07-27211.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2004 EN 60079-15:2005 EN 60079-27:2006
- (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 Conformity Statement relates only to the design and 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:



Ex II 3 G Ex nA II T4 and II 3 G Ex nA [nL] IIC/IIB T4

Zertifizierungsstelle Explosionschutz
By order:

Dr.-Ing. U. Johannsmeyer
Direktor und Professor



Braunschweig, August 21, 2007

Conformity Statements 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 the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE

- (13)
- (14) **CONFORMITY STATEMENT PTB 07 ATEX 2035 X**

(15) Description of equipment

The junction box, type JRBS-40.../Ex is used for the distribution of power and data for fieldbus systems in hazardous areas. The voltage supply is carried out by supply units according to EN 60079-15, FNICO-supply units according to EN 60079-27 or appropriate standard supply units.

The junction box is installed outside or inside hazardous areas requiring category-3G equipment.

The permissible range of the ambient temperature is -25 °C ... +70 °C.

Electrical data

Types JRBS-40SC.../Ex

- I. Entity System
Supply..... supply units according to EN 60079-15
type of protection Ex nA II or Ex nL IIC/IIB

Output circuits..... type of protection Ex nA II or Ex nL IIC/IIB
- II. FNICO System
Supply..... FNICO-supply unit according to EN 60079-27

Output circuits..... type of protection Ex nL IIC/IIB, for connection
to FNICO field devices

Types JRBS-40.../Ex

- III. Entity System
Supply..... Standard supply units
Maximum operating values:
U = 32 V; I = 3 A

Output circuits..... type of protection Ex nA II
- IV. FNICO System
Supply..... FNICO-supply unit according to EN 60079-27

Output circuits..... type of protection Ex nL IIC/IIB, for connection
to FNICO field devices

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The fieldbus circuits and the output circuits of the field devices are electrically interconnected.
An internal (bus) terminator can be connected to the system using a slide switch.

(16) Test report PTB Ex 07-27211


(17) Special conditions for safe use

- a) To guarantee the type of protection Ex nL for the output circuits, the junction box shall be supplied from a voltage-limited fieldbus supply system according to EN 60079-15. The supply voltage shall be fused by means of a max. 3A-fuse connected in series.
- b) Plug connectors resp. connecting cables which are not assigned to nL-circuits shall only be disconnected in a de-energized state.
- c) The switches for the terminator and connection to earth shall only be disconnected in a de-energized state.
- d) For the application in zone 2 the apparatus shall be installed in a case which meets the requirements of EN 60079-15.
- e) For the application in zone 22 the output circuits shall be connected only to equipment which meets the requirements of category 3D as a minimum and which is certified correspondingly.
- f) The special conditions and all specifications which are essential for mounting and safe operation shall be included in the operating instructions.

(18) Essential health and safety requirements

met by compliance with the standards mentioned above

Zertifizierungsstelle Explosionschutz
By order:


Dr.-Ing. U. Johannmeyer
Direktor und Professor



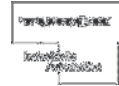
Braunschweig, August 21, 2007

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Physikalisch-Technische Bundesanstalt • Bundesallee 100 • 38116 Braunschweig • Germany

Konformitätserklärung Nr. 3165-1 M Declaration of Conformity



Diese Konformitätserklärung entspricht der Europäischen Norm EN 45014 "Allgemeine Kriterien für Konformitätserklärungen von Anbietern". Die Grundlage der Kriterien sind internationale Dokumente, insbesondere ISO/IEC Leitfaden 22, 1982: "Information on manufacturer's declaration of conformity with standards or other technical specifications".

This "Declaration of Conformity" complies with the European Standard EN 45014 "General criteria for a supplier's declaration of conformity". These criteria are based on the relevant international documentation, particularly the ISO/IEC Guide 22, 1982: "Information on the manufacturer's declaration of conformity with standards or other technical specifications".

Wir/ We HANS TURCK GMBH & CO KG
WITZLEBENSTR. 7, D - 45472 MÜLHEIM A.D. RUHR

erklären in alleiniger Verantwortung, dass die Produkte
declare under our sole responsibility that the products

Junction Box Typ JRBS-40.../Ex

auf die sich die Erklärung bezieht, mit den folgenden Normen übereinstimmen
to which this declaration relates are in conformity with the following standards

EN 61326:2006

und wo anwendbar
and where applicable

EN 60079-0:2006	EN 60079-11:2007	EN 61241-1:2005
EN 60079-0:2004	EN 60079-15:2005	EN 60079-27:2006

Gemäß den Bestimmungen der Richtlinie (falls zutreffend)
Following the provisions of Directive (if applicable)

EMV - Richtlinie	/ EMC Directive	2004 / 108 / EG	15. Dez. 2004
Richtlinie ATEX 100a	/ Directive ATEX 100a	94 / 9 / EG	23. März 1994

Weitere Normen
additional standards

Aussteller der EG-Baumusterbescheinigung:

Physikalisch - Technische Bundesanstalt
Bundesallee 100, D-38116 Braunschweig
Kenn-Nr. 0102, Registriernummer: PTB 05 ATEX 2002, PTB 07 ATEX 2035 X

Mülheim, den 03.09.07

(i.V. W. Stoll)

Ort und Datum der Ausstellung /
Place and date of issue

Name und Unterschrift des Befugten /
Name and signature of authorized person

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Stand: 001 vom 01.08.06