



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FMG 15.0020X**

Page 1 of 4

Certificate history:

[Issue 0 \(2016-04-11\)](#)

Status: **Current**

Issue No: 1

Date of Issue: 2016-05-11

Applicant: **Hans Turck GmbH & Co KG**  
Witzeleben Straße 7  
D-45472 Mülheim an der Ruhr  
Germany

Equipment: **JRBS-40DC-xR Fieldbus Device Couplers**

Optional accessory:

Type of Protection: **Intrinsic Safety "i", Nonsparking "nA"**

Marking: Ex ib [ia Ga] IIC T4 Gb; Ta = -50°C to 70°C; FISCO – IS-1.134A  
[Ex ia III C Da]; Ta = -50°C to 70°C; FISCO – IS-1.134A  
Ex nA [ic] IIC T4 Gc; Ta = -50°C to 70°C; FISCO – IS-1.134A

Approved for issue on behalf of the IECEx  
Certification Body:

**J.E.Marquedant**

Position:

**Manager, Electrical Systems**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**FM Approvals LLC**  
1151 Boston-Providence Turnpike  
Norwood, MA 02062  
United States of America





# IECEx Certificate of Conformity

Certificate No.: **IECEx FMG 15.0020X**

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Date of issue: 2016-05-11

Issue No: 1

Manufacturer: **Werner Turck & Co GmbH KG**  
Goethestrasse 7  
58553, Halver  
Germany

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-15:2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

**IEC 60079-27:2008** Explosive atmospheres - Part 27: Fieldbus intrinsically safe concept (FISCO)  
Edition:2.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/FMG/ExTR15.0023/00](#)

[US/FMG/ExTR15.0023/01](#)

Quality Assessment Report:

[DE/PTB/QAR06.0013/04](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx FMG 15.0020X**

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Date of issue: 2016-05-11

Issue No: 1

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### ***JRBS-40DC-aR, Fieldbus Device Couplers***

Ex ib [ia Ga] IIC T4 Gb; Ta = -50°C to 70°C; FISCO – IS-1.134A

[ia III C Da]; FISCO – IS-1.134A

Ex nA [ic] IIC T4 Gc; Ta = -50°C to 70°C; FISCO – IS-1.134A

a = Number of Spurs; 4, 6, 8, 10, or 12.

### ***JRBS-40-TR, Line Terminator***

Ex ia IIC T4 Gb -50°C to 70°C

Ex nA IIC T4 Gc -50°C to 70°C

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment shall be installed in an enclosure which provides an ingress protection rating of at least IP20.
2. When installed as Zone 2 equipment, the equipment shall be mounted within a tool-secured enclosure which meets the requirements of IEC 60079-0 and IEC 60079-15. Where installed in outdoor or potentially wet locations, the enclosure shall, at a minimum, meet the requirements of IP54.



# IECEx Certificate of Conformity

Certificate No.: **IECEx FMG 15.0020X**

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Date of issue: 2016-05-11

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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

1. Transferred ownership from Turck Inc. to Hans Turck GmbH & Co KG.
2. Updated QAR from DE/PTB/QAR06.0012/03 to DE/PTB/QAR06.0013/04
3. Corrected errors in the marking section of the IECEx certificate of conformity.



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Certificate No.: **IECEx FMG 15.0020X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2016-04-11

Applicant: **Turck Inc.**  
3000 Campus Drive  
Plymouth, MN 55110  
United States of America

Equipment: **JRBS-40DC Fieldbus Segment Couplers**

Optional accessory:

Type of Protection: **Intrinsic Safety "i", Nonsparking "nA"**

Marking: Ex ia IIC T4 Ga; -50°C to 70°C; FISCO – IS-1.134A  
Ex ia [ia III C Da] IIC T4 Ga; -50°C to 70°C; Entity – IS-1.134A  
Ex nA [ic] IIC T4 Gc; -50°C to 70°C; FISCO – IS-1.134A  
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Edition:6.0

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