



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BVS 08.0056X issue No.:2

Status: **Current**

Date of Issue: **2010-07-05** Page 1 of 4

Certificate history:
Issue No. 2 (2010-7-5)
Issue No. 1 (2009-10-19)
Issue No. 0 (2009-1-8)

Applicant: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Electrical Apparatus: **Field Device Coupler Type 9411/11-2**-*0**
Optional accessory:

Type of Protection: **Increased safety 'e'; Encapsulation 'm'; Protection by enclosure 'tD'**

Marking: **Type 9411/11-2*0-*0: Ex mb eb II T4**
Type 9411/11-2*a-*0, where a = 1 or 2:
Ex mb eb IIC T4 and
Ex tD A21 IP 6X T80°C

Approved for issue on behalf of the IECEx Certification Body: H.-Ch. Simanski

Position: Head of Certification Body

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany





IECEX Certificate of Conformity

Certificate No.: IECEx BVS 08.0056X

Date of Issue: 2010-07-05

Issue No.: 2

Page 2 of 4

Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Manufacturing location(s):

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 electrical apparatus 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 : 2007-10 Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-18 : 2004 Edition: 2.0 | Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus |
| IEC 60079-7 : 2006-07 Edition: 4 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e" |
| IEC 61241-0 : 2004 Edition: 1 | Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements |
| IEC 61241-1 : 2004 Edition: 1 | Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD" |

*This Certificate **does not** indicate compliance with electrical 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 Report:

[DE/BVS/ExTR09.0002/02](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/00](#)



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 08.0056X

Date of Issue: 2010-07-05

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The field device coupler (FDC) is used for coupling of fieldbus main cable to 4 resp. 8 output lines for connection of field devices with Foundation Fieldbus H1 or Profibus PA interface with IEC 61158-2 topology. The device and the output lines are powered from the input fieldbus.

The field device coupler is an explosion protected apparatus for installation in hazardous areas Zone 1 and Zone 21. The circuits are connected via terminals with type of protection increased safety. The components of the circuit are encapsulated with compound providing type of protection Ex mb.

The FDC with type nomenclature 9411/11-2*a-*0, where a = 1 for a plastic enclosure according to IECEx PTB 06.0090 or a = 2 for metal enclosure according to IECEx PTB 06.0079 is assembled in the respective enclosure. The FDC with type nomenclature 9411/11-2*0-*0 has to be assembled into an enclosure with the protection system increased safety "e".

The input and output circuits are electrically interconnected.

CONDITIONS OF CERTIFICATION: YES as shown below:

Special condition

The field device coupler (FDC) with type nomenclature 9411/11-2*0-*0 has to be assembled into an enclosure with the protection system increased safety "e".



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 08.0056X

Date of Issue: 2010-07-05

Issue No.: 2

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The circuitry of the Field Device Coupler has been slightly modified.

The Certificate has been linked to a new QAR.