



# 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](http://www.iecex.com)

Certificate No.:  issue No.:

Status:

Date of Issue: **2010-10-21** Page 1 of 3

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

Electrical Apparatus: **RFID Tag**  
*Optional accessory:*

Type of Protection: **Ex ia IIC T5 Ga; Ex ia IIIC T70C Da**

Marking: **9713/11-15**

*Approved for issue on behalf of the IECEx  
Certification Body:*

Martin Plüss

*Position:*

Manager Product Certification

*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:

**Electrosuisse div. Testing and Certification**  
Luppenstrasse 1  
CH-8320 FEHRALTORF  
Switzerland





# IECEx Certificate of Conformity

Certificate No.: IECEx SEV 10.0005  
Date of Issue: **2010-10-21** Issue No.: **0**  
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Manufacturer: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
DE-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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
<b>IEC 61241-11 : 2005</b> Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

*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:

[CH/SEV/ExTR10.0005/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0001/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### General product information:

The RFID Tag 9713 is an active wireless RFID device with built-in not rechargeable battery. This explosion-protected equipment that is allowed to be carried on people or mounted on assets and vehicles in hazardous areas and Ex protected zones 0, 1, 2, 20, 21 and 22. The 2.45 GHz active transponder is used to identify and/or locate assets, containers or individuals. It is rugged to be used indoors and outdoors in extreme environments and climatic conditions. The RFID Controller (not part of this certification) localizes the RFID Tag and is reading and writing the RFID Tag in a range of up to 160m in line of sight. The Controller manages also the configuration of the transmission mode of the RFID Tag. The RFID Tags have multifunction features which allow for read & write operations to the user data memory, to mute and un-mute the RFID Tags, and to modify the signalization rate. The mute function is particularly well suited to air transport. Muting, un-muting, and programming can be done remotely at 2.45 GHz or 13.56 MHz. These service functions have to be done by instructed persons with optional equipment.

### CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.