



# 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.: IECEx PTB 06.0014U issue No.: 1  
 Status: **Current**  
 Date of Issue: **2012-06-04** Page 1 of 4

Certificate history:  
 Issue No. 1 (2012-6-4)  
 Issue No. 0 (2006-3-6)

Applicant: **R. STAHL Schaltgeräte GmbH**  
 Am Bahnhof 30  
 74683 Waldenburg (Württ.)  
 Germany

Electrical Apparatus: **Command and signalling adapters type 8602/\*-\*\*\***  
 Optional accessory:

Type of Protection: **Increased Safety, Protection by Enclosures**

Marking: Ex e IIC Gb, Ex eb IIC, Ex tb IIIC Db, Ex tb IIIC

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. Uwe Klausmeyer

Position: Head of Section "Flameproof Enclosure"

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.

Certificate issued by:

**Physikalisch-Technische Bundesanstalt (PTB)**  
 Bundesallee 100  
 38116 Braunschweig  
 Germany





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Manufacturer: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
75683 Waldenburg (Württ.)  
**Germany**

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

**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

**IEC 60079-7 : 2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition: 4

*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/PTB/ExTR06.0017/01

##### Quality Assessment Report:

DE/BVS/QAR10.0002/02



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## Schedule

### EQUIPMENT:

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

#### Description of equipment

The command and signalling adapters, type 8602/1-\*\*\* and type 8602/2-\*\*\*, are primarily made from polyamide. They are installed in the covers and walls of the enclosures of electrical apparatus or in switchboards, which may be designed to type of protection Increased Safety "e" or Protection by enclosures "tb".

Technical data, Nomenclature and Schedule of Limitations see Annex.

### CONDITIONS OF CERTIFICATION: NO



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

- 1) Minimum temperature is decreased to -60 °C
- 2) New test according to IEC 60079-0: 2011 (Ed. 6), IEC 60079-7: 2006 (Ed. 4), IEC 60079-31: 2008 (Ed. 1 )
- 3) New marking

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**Annexe:** Annex-IECEx PTB 06.0014U-1.pdf