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 SIR 10.0160X issue No.:1

Status: **Current**

Date of Issue: **2011-10-18**

Page 1 of 4

Certificate history:
Issue No. 1 (2011-10-18)
Issue No. 0 (2010-12-13)

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

Electrical Apparatus: **Type 8293/11 & Type 8293/15 Range of Adaptors and Reducers**
Optional accessory:

Type of Protection: **Flameproof, Inceased safety and Dust**

Marking: Type 8293/11 Range
Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X
Type 8293/15 Range
Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X
Type MA/TF Range
Ex d I
* Due to restrictions applied by the applicant some products that are detailed in this certificate may not be commercially available

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings BA MIET

Position: Certification Manager

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

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Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
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:
GB/SIR/ExTR10.0243/00 GB/SIR/ExTR11.0271/00

Quality Assessment Report:

DE/BVS/QAR10.0002/01 DE/PTB/QAR06.0001/00

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Schedule

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

The **Type 8293/11 Range** of Adaptors and Reducers, the **Type 8293/15 Range** of Adaptors and the **Type MA/TF Range** of Flanged Adaptors are fully defined in the Annexe of this certificate.

The following variations have been included in this issue	
1	The inclusion of intermediate entry thread sizes
2	Corrections to typographical errors
3	The Conditions of Certification were clarified to separate those applicable to Metallic and Non-Metallic Adaptors and Reducers.
4	ExTR GB/SIR/ExTR08.0133/01 was issued to replace GB/SIR/ExTR08.0133/00.

CONDITIONS OF CERTIFICATION: YES as shown below:

Conditions 1 and 2 apply to both Metallic and Non-Metallic Adaptors and Reducers

1. Only one of these devices shall be used per cable entry.
2. The interfaces between the male thread of the adaptor/reducer and an associated enclosure and between the female thread of the adaptor/reducer and the cable entry device cannot be defined. Therefore it is the installer's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.

Condition 3 applies to Non-Metallic and Aluminium Adaptors and Reducers only

3. Types 8293/11 & 8293/15 Non metallic and aluminium Adaptors and Reducers shall not be used in group I applications.

Conditions 4, 5, 6 and 7 apply to Non-Metallic Adaptors and Reducers only

4. Types 8293/11 Non metallic Adaptors and Reducers shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
5. The adaptors and reducers shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
6. Any cable gland used with the adaptors and reducers shall be non-metallic and of the A2 type.
7. Refer to the manufacturer's instructions for the action necessary regarding electrostatic risk.

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

Issue 1 – this Issue introduced the following changes:	
1	This new issue of the certificate is issued to show that the ExCB responsible for the QAR has now been changed.