



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.: issue No.:

Status:

Date of Issue: **2007-09-13** Page 1 of 3

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

Electrical Apparatus: **Type 8163 / 2-****-T3CDS-** and 8163/2-****-T3CDS/PB-** Cable Glands**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **II 2/3 G D**
Ex d IIC / Ex e II / Ex nR II/ Ex tD A21 IP66

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

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:

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

sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEx SIR 07.0058X

Date of Issue: **2007-09-13**

Issue No.: **0**

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Manufacturer: **R STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg (Württ)
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 : 2004 Edition: 4.0 | Electrical apparatus for explosive gas atmospheres - Part 0: General requirements |
| IEC 60079-1 : 2001 Edition: 4 | Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd' |
| IEC 60079-15 : 2005-03 Edition: Ed 3 | Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" 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:

[GB/SIR/ExTR07.0083/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type 8163 / 2-**-T3CDS-**** – a range of displacement type cable glands each comprising a hollow threaded entry component containing a compensating (CDS) seal with associated ferrule, a skid washer with front seal, a clamping sleeve and reversible armour cone. The assembly is actuated by a threaded main gland body. A rear seal and threaded nut are fitted to the other end of the body. The glands are intended for use with appropriately sized SWA, strip armoured, tape armoured or braided cables. The design is such that a constant pressure is maintained on the displacement seal by the use of the compensation ferrule.

8163/2-**-T3CDS/PB-**** - Identical to the **Type 8163 / 2-****-T3CDS-**** Type but incorporate a continuity washer and are suitable for use with lead sheathed cables.

For design, materials and type designations refer to the annexe

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1 The glands shall only be used on enclosures where the temperature, at the point of mounting, is in the range -60°C to $+130^{\circ}\text{C}$.
- 2 When used with braided cable, the glands shall be used for fixed installations only. Cables must be effectively clamped to prevent pulling or twisting.