



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 PTB 06.0063U issue No.:1

Status: **Current**

Certificate history:
Issue No. 1 (2012-1-26)
Issue No. 0 (2006-8-10)

Date of Issue: **2012-01-26** Page 1 of 4

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

Electrical Apparatus: **Fuse base type 8561/...-....**
Optional accessory:

Type of Protection: **Flameproof enclosure "d", Increased Safety "e"**

Marking: Ex de IIC resp. Ex de I

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

Position: Head of Section "Flameproof Enclosures"

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:

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





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Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
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 : 2001 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

*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/ExTR06.0049/00](#)

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 fuse base, type 8561/...-... is a flameproof enclosure which is designed to accommodate fuses – DIAZED or NEOZED. Connection is by means of the integrated terminals.

Nomenclature

Fuse base	Type	8561/ab-cd-efg
a, b	Fuse link 1 = NEOZED 2 = DIAZED	
c, d	Switch size 01 = 2 to 16 A / 400 V 02 = 20 to 25 A / 400 V 11 = 2 to 25 A / 550 V 12 = 35 to 63 A / 550 V	
e, f, g	numerals or letters without influence to explosion-protection	

Technical data

Rated insulation voltage	up to	550 V	690 V
Rated operating voltage	up to	440 V	550 V
Rated current	max.	25 A	63 A

Thermal limit current for temperature class

	T6	T5	T4
8561/01 (NEOZED)	6 A	10 A	25 A
8561/02 (DIAZED)	20 A	35 A	63 A

Rated cross section max. 16 mm²

The fuse base is designed for -55 °C to +110 °C temperature resistance

Notes for installation and operation

The fuse base shall be fitted in an enclosure that meets the requirements of an approved type of protection in accordance with IEC 60079-0, section 1.

When installing the fuse base in an enclosure designed to type of protection Increased Safety “e” as specified in IEC 60079-7, the clearance and creepage distances shown in section 4.4, section 4.5, and table 1 shall be duly considered.

If fuse bases are installed next to each other, or if they are combined with other fixed elements, a clearance of 9 mm as a minimum shall be observed for thermal reasons.

CONDITIONS OF CERTIFICATION: NO



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

New QAR