



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 06.0011U** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-02-24** Page **1** of **3**

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

Electrical Apparatus: **Contact element / Isolating terminal, type 8082/-.-..**
Optional accessory:

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

Marking: **Ex de IIC resp. Ex de I**
Tamb - 55 °C to +70°C

*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

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 : 2000 Edition: 3.1	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/ExTR06.0014/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The Contact element / Isolating terminal of Type 8082/-... is a flameproof encapsulated switching element. It is used to connect and disconnect load, control and signal circuits. The Isolating terminal is equipped with a lockable actuator. Termination could be made either by screw terminals or by screwless terminals – cage clamp terminals.

Nomenclature

Contact element / Isolating terminal	Type	8082/a-b-cd
a	type of connection: 1 = screw terminals, 2 = cage clamp terminals	
b	contact arrangement: 1 = NC , 2 = NO	
c, d	numerals or letters without influence to explosion-protection	

Technical data

Rated insulation voltage	up to	500 V		
Rated operating voltage	up to	110 V	400 V	500 V
Rated current I _e	max.	6 A	6 A	10 A
Utilisation category		DC-13	AC-15	AC-12
Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.				

Contacts fitted	1 NO or positive NC contact
Rated connection	2.5 mm ²
Ambient temperature	-55 °C to +70 °C

The Contact element / Isolating terminal is designed for -55 °C to +100 °C temperature resistance and suitable for use in temperature class T6.

Notes for installation and operation

The Contact element/Isolating terminal 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 mounting the Contact element / Isolating terminal 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.

CONDITIONS OF CERTIFICATION: NO