



# 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 BVS 11.0059X

Issue No: 0

Certificate history:

[Issue No. 0 \(2011-08-03\)](#)

Status: **Current**

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Date of Issue: **2011-08-03**

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

Equipment: **Terminal box and control station type 8252/\*\*\_\*\*\*\*\*\_\*\*\***

*Optional accessory:*

Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment protection by intrinsic safety "i", Equipment dust ignition protection by enclosure "t"**

Marking: Ex d [ia/ib Ga/Gb] IIC T4-T6 Gb  
Ex tb III C T80 °C -T130 °C Db IP66  
or  
Ex db [ia/ib] IIC T4-T6  
Ex tb III C T80 °C -T130 °C IP66

*Approved for issue on behalf of the IECEx  
Certification Body:*

H.-Ch. Simanski

*Position:*

Head of Certification Body

*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:

**DEKRA EXAM GmbH**  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
DEKRA EXAM GmbH



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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 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:

<b>IEC 60079-0 : 2007-10</b> Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2006</b> Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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/BVS/ExTR11.0086/00](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/01](#)



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## Schedule

### EQUIPMENT:

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

#### Description

The terminal box type 8252/1 \*-\*\*\*\*-\*\*\* or the control station type 8252/5 \*-\*\*\*\*-\*\*\* in type of protection flameproof enclosure „d“ and protection by enclosure „t“ is used for zone 1 or zone 21. The empty enclosure is separately certified in IECEx BVS 11.0038 U. The used components are separately certified.

#### Parameters

##### electrical data

rated voltage	max.	690	V
rated current	max.	175	A
rated cross section	max.	70	mm <sup>2</sup>

##### parameters

ambient temperature range	-60°C ... +70°C
IP degree of protection	IP66

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The dimensions of the flameproof joints are in parts other than the relevant minimum or maximum values of IEC 60079-1:2007. For information on the dimensions of the flameproof joints contact the manufacturer.



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## EQUIPMENT (continued):

### Subject and type

enclosure type 8252 / \*1) \*2) - \*3)\*4)\*5)\*6) \*7) - \*\*\*8)

1) 1 = terminal box

5 = control station

2) enclosure size: 1 = Ø 54 mm  
2 = Ø 80 mm  
3 = Ø 95 mm  
4 = Ø 130 mm

3) entry size at base: \*)

4) entry size at 0 degree: \*)

5) entry size at 90 degree: \*)

6) entry size at 180 degree: \*)

7) entry size at 270 degree: \*)

\*) 0 = w/o entry & w/o hub

1 = hub w/o entry

X = The maximum thread size of entries per enclosure side:

enclosure type	metric	BSC	NPT
8252/1-...-..	1 x M25	1 x 1.0"	1 x ¾"
8252/2-...-..	1 x M32	1 x 1.25"	1 x 1"
8252/3-...-..	1 x M40	1 x 1.5"	1 x 1 ¼"
8252/4-...-..	1 x M63	1 x 2.5"	1 x 2"

8) not ex relevant