



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BVS 11.0059X** Page 1 of 5 [Certificate history:](#)
Issue 0 (2011-08-03)

Status: **Current** Issue No: 1

Date of Issue: 2022-10-10

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 db ia IIC T4-T6 Gb (Type 8252/1..)
Ex db [ia Ga] [ib Gb] IIC T4-T6 Gb (Type 8252/5..)
Ex tb ia IIIC T80°C-T130°C Db (Type 8252/1..)
Ex tb [ia Da] [ib Db] IIIC T80°C-T130°C Db (Type 8252/5..)

Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

**Senior Lead Auditor, Certification Manager and officially
recognised expert**

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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

Manufacturing locations: **R. STAHL (P) LTD**
Plot No. 5, Malrosapuram Road
Sengundram Indl Area
Singaperumal Koil
Kanecheepuram Dt., Talmil Nadu - 603
204
India

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-31:2022-01](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

This Certificate **does not** indicate compliance with 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/ExTR11.0086/01](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/18](#)



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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 areas with EPL Gb or Db. The empty enclosure is separately certified in IECEx BVS 11.0038U. The used components are separately certified.

Inside the enclosure different certified components can be installed according to the documentation of the manufacturer.

In case of intrinsically safe circuits inside the terminal box according to standard IEC 60079-11 the creepage and clearance distances between intrinsically safe circuits to ground, between two different intrinsic safe circuits and between intrinsically and non- intrinsically safe circuits are taken into account during the installation.

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 60079-1:2014. For information on the dimensions of the flameproof joints contact the manufacturer.

The enclosure must be protected against electrostatic charging processes in areas with EPL Db and use of powder coating.



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Equipment (continued):

Subject and Type

See Annex

Listing of all components used referring to older standards

See Annex



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating to the current standards
- Modification of the marking

Annex:

[BVS_11_0059X_Stahl_Annex1.pdf](#)



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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 3/4" |
| 8252/.2-...-.. | 1 x M32 | 1 x 1.25" | 1 x 1" |
| 8252/.3-...-.. | 1 x M40 | 1 x 1.5" | 1 x 1 1/4" |
| 8252/.4-...-.. | 1 x M63 | 1 x 2.5" | 1 x 2" |

8) Not ex relevant



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Listing of all components used referring to older standards - Type 8252/1 *-****-***

| Subject and type | Certificate | Standards |
|------------------|--------------------|---|
| Adaptor 777 | IECEX CML 18.0185U | IEC 60079-0(Ed7.0):2017 IEC 60079-1(Ed7.0):2014 IEC 60079-31(Ed2.0):2013 IEC 60079-7(Ed5.0):2015 ¹ IEC 60079-7(Ed5.1):2017 |

Listing of all components used referring to older standards - Type 8252/5 *-****-***

| Subject and type | Certificate | Standards |
|---|--------------------|---|
| Universal Gas Sensors HC & H2S Sensor Heads 11159 (HC); 51457 (H2S) | IECEX SIR 07.0007U | IEC 60079-0(Ed6.0):2011 ¹ IEC 60079-1(Ed7.0):2014 |
| Breather Gland KB1B, KB1D, KB1D KBM, KB1FA, KBM20FA, KBQA NPT, KBQA Metric, KBD | IECEX CSA 10.0007U | IEC 60079-0(Ed6.0):2011 ¹ IEC 60079-1(Ed7.0):2014 IEC 60079-31(Ed2.0):2013 |

¹ No applicable technical differences