



# 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 08.0047  | issue No.:1 | Certificate history:<br>Issue No. 1 (2011-7-8)<br>Issue No. 0 (2008-9-24) |
| Status:  | Current  |             |   |
| Date of Issue:   | 2011-07-08   | Page 1 of 5 |   |
| Applicant:   | <b>R. STAHL Schaltgeräte GmbH</b><br>Am Bahnhof 30,<br>74638 Waldenburg<br>Germany   |             |   |
| Electrical Apparatus:<br>Optional accessory:                     | Motor protection circuit breaker Type 8527/2.-.-.-....                               |             |   |
| Type of Protection:  | Increased safety "e", Flameproof enclosure 'd'                                       |             |   |
| Marking:   | Ex de IIC T4/T5/T6   |             |   |
| Approved for issue on behalf of the IECEx<br>Certification Body: | H.-Ch. Simanski  |             |   |
| Position:  | Head of Certification Body   |             |   |
| Signature:<br>(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:

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

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:

|  |   |
|--|---|
| <b>IEC 60079-0 : 2004</b><br>Edition: 4.0  | Electrical apparatus for explosive gas atmospheres - Part 0: General requirements     |
| <b>IEC 60079-1 : 2003</b><br>Edition: 5    | Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd' |
| <b>IEC 60079-7 : 2006-07</b><br>Edition: 4 | Explosive atmospheres - Part 7: Equipment protection by 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/BVS/ExTR08.0053/00](#)

Quality Assessment Report:

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



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## Schedule

### EQUIPMENT:

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

#### Subject and type

See Annex

#### Description

The motor protection circuit breaker in type of protection Increased safety "e" is fitted with a circuit breaker Type 8523/8 (IECEX BVS 08.0039 U) and, if necessary, with an ammeter. It is used with the corresponding choice of type and values for the protection and switching of explosion protected motors in type of protection increased safety "e".

#### Warning Level

For type 8527/21-... and Typ 8527/22-... with a rated current of  $\geq 15.5$  A a cable with a permissible operating temperature of at least 85 °C shall be used.

CONDITIONS OF CERTIFICATION: NO



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## EQUIPMENT(continued):

### Parameters

#### Electrical data

Rated voltage up to 690 V

#### Rated current at the main connections of circuit breaker version

Type 8527/21-... up to 16 A

Type 8527/22-... up to 16 A

Type 8527/23-... up to 25 A

Type 8527/24-... up to 25 A

Type 8527/25-... up to 25 A

Type 8527/26-... up to 25 A

Rated current at the auxiliary contacts up to 6 A

#### Temperature class

Type 8527/21-... and Type 8527/22-...

Rated current Temperature class

0.16- 0.25 A T6

> 0.25-15.5 A T5

> 15.5-16.0 A T4

Type 8527/23-..., Type 8527/24-..., Type 8527/25-... and Type 8527/26-...

Rated current Temperature class

0.16-12.5 A T6

16.0-22.5 A T5

> 22.5-25.0 A T4



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

This new issue of the certificate is to cover a change in the ExCB for conducting surveillance assessments and issueing of QARs.