



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.: issue No.: History:

Status:

Date of Issue: **2007-06-04** Page 1 of 5

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

Electrical Apparatus: **Flameproof Enclosure, type 8265/0-...**
Optional accessory:

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

Marking: **Ex d IIC resp. Ex de IIC**
Ex tD A21 IP66

*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 manufacture'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 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR06.0113/00](#)

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 flameproof enclosure type 8265/0.-... is made from aluminum and provided with a screw-on cover. It is designed to accommodate switching and control gear, measuring equipment and display units.

More see annexe

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

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Additional information:

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Description of equipment

The **Description of equipment**

The flameproof enclosure type 8265/0.-... is made from aluminum and provided with a screw-on cover. It is designed to accommodate switching and control gear, measuring equipment and display units.

Cover and side walls may be fitted with actuator rods and/or sight glasses.

Connection is by means of cable bushings or wire bushings or by means of direct cable entries.

The flameproof enclosures may be combined with each other and/or with terminal boxes designed to type of protection Increased Safety.

Nomenclature

Flameproof enclosure	Type	8265/ab-cde
a	0 = Flameproof enclosure	
b	Enclosure size (length x width x height) 2 = 155 x 155 x 132 mm 3 = 195 x 195 x 172 mm 4 = 236 x 236 x 227 mm	
c, d, e	numerals or letters without influence to explosion-protection	

Electrical data

Rated insulation voltage *)	max.	690 V	1.000 V	11 kV
Rated cross section *)	up to	95 mm ²		
Ambient temperature range	°C	-55 °C ... +55		

*) subject to cable or wire bushing and terminal box and terminals used

Permissible power dissipation for use in temperature class and maximum surface temperature

Enclosure Type	T6 / T80 °C		T5 / T95 °C	
	Ta = +40 °C	Ta = +55 °C	Ta = +40 °C	Ta = +55 °C
8265/02	30 W	18 W	45 W	30 W
8265/02 mounted in "e"-enclosure	27 W	16 W	39 W	27 W
8265/03	43 W	26 W	63 W	43 W
8265/03 mounted in "e"-enclosure	32 W	19 W	47 W	32 W
8265/04	62 W	35 W	93 W	62 W

The composition of the protection symbol will be based on the types of protection of components actually used.

Notes for manufacturing and operation

The flameproof enclosure may also be connected by means of suitable cable entries or conduit systems which meet the requirement of IEC 60079-1, sections 13.1 and 13.2 and for which a separate certificate has been issued.

Unused openings shall be closed as specified in IEC 60079-1, section 11.
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