



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 KEM 07.0050U

Issue No: 5

Certificate history:

Status: **Current**

Issue No. 5 (2017-04-14)

Issue No. 4 (2015-09-07)

Date of Issue: **2017-04-14**

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Issue No. 3 (2014-04-24)

Issue No. 2 (2009-06-08)

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

Issue No. 1 (2009-05-11)

Issue No. 0 (2007-11-09)

Equipment: **Flameproof enclosure Type 8264/- and Type 8264/6**

Optional accessory:

Type of Protection: **Ex db and Ex tb**

Marking:

Ex db IIB Gb
Ex db IIB + H₂ Gb
Ex tb III C Db

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

T. Pijpker

Position:

Certification Manager

*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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
The Netherlands





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

Additional Manufacturing location(s):

Electromach B.V., Member of the R. Stahl Technology Group
Jan Tinbergenstraat 193
7559 SP Hengelo
The Netherlands

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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	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:

[NL/KEM/ExTR07.0045/00](#) [NL/KEM/ExTR07.0045/01](#) [NL/KEM/ExTR07.0045/02](#)
[NL/KEM/ExTR07.0045/03](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/10](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Enclosure Type 8264/- and 8264/6, made of aluminum or stainless steel with a flanged joint, is intended to be used in potentially explosive atmospheres for the mounting of electrical apparatus such as switching-, control-, regulating-, measuring- and indicating devices. The enclosures can be used with and without terminal boxes or control and distribution boxes in type of protection increased safety "e". Several enclosures may be combined with each other.

The cover and side walls of the enclosure may be provided with flameproof operating axes - e.g. for coupling-, locking-, actuating or feed through purposes -, lamp caps and windows. Optionally, the enclosures may be provided with hinges.

Type 8264/- and Type 8264/6 differ only in the type of material used for cemented windows.

The electrical connection is made by using flameproof cable or conduit entries or bushings.

SPECIFIC CONDITIONS OF USE: NO



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EQUIPMENT (continued):

Schedule of Limitations:

The flame path length is more than required by IEC 60079-1. Contact the manufacturer for information on the dimensions of the flameproof joints.

The property classes of the cover screws are A70 for M10 and A80 for M12 and M14.

When cemented window(s) are used within the enclosure 8264/-, the maximum service temperature shall not exceed 100°C.

All enclosure types, except types 996, 997, 998 and 999, may be mounted next to other enclosures or obstacles with a separation distance of only 10 mm in between.

The maximum service temperature of Type 8264/6 shall not exceed 100 °C.



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

Adding property class of the screws (A70, A80)
Adding text regarding minimum of 10 mm distance to surrounding obstacles
Adding stainless steel alloy enclosure material

Annex:

[Annex 1 to CoC IECEX KEM 07.0050U issue 5.pdf](#)

Annex 1 to Certificate of Conformity IECEX KEM 07.0050U, issue No.:5

Description

Enclosure Type 8264/- and 8264/6, made of aluminum or stainless steel with a flanged joint, is intended to be used in potentially explosive atmospheres for the mounting of electrical apparatus such as switching-, control-, regulating-, measuring- and indicating devices. The enclosures can be used with and without terminal boxes or control and distribution boxes in type of protection increased safety "e". Several enclosures may be combined with each other.

The cover and side walls of the enclosure may be provided with flameproof operating axes - e.g. for coupling-, locking-, actuating or feed through purposes -, lamp caps and windows. Optionally, the enclosures may be provided with hinges.

Type 8264/- and Type 8264/6 differ only in the type of material used for cemented windows.

The electrical connection is made by using flameproof cable or conduit entries or bushings.

Ambient temperature range -60 °C to +60 °C for IIB.

Ambient temperature range -20 °C to +60 °C for IIB + H₂.

Ambient temperature range -60 °C to +60 °C for IIIC.

Electrical data

Enclosure Type	Dimensions L x W x H [mm]	Max. power dissipation [W] / Temperature class*								
		Max. Ambient temperature Tamb +40 °C			Max. Ambient temperature Tamb +50 °C			Max. Ambient temperature Tamb +60 °C		
		T6	T5	T4	T6	T5	T4	T6	T5	T4
		T80 °C	T95 °C	T130 °C	T80 °C	T95 °C	T130 °C	T80 °C	T95 °C	T130 °C
8264/.112 8264/.114	235 x 235 x 270 235 x 235 x 260	55	80	170	34	54	125	19	35	89
8264/.212 8264/.214	360 x 235 x 270 360 x 235 x 260	75	120	235	47	81	173	26	52	122
8264/.213 8264/.215	360 x 235 x 340 360 x 235 x 330	90	140	280	56	95	207	31	61	146
8264/.222 8264/.224	360 x 360 x 270 360 x 360 x 260	115	160	320	71	108	236	39	69	167
8264/.223 8264/.225	360 x 360 x 340 360 x 360 x 330	125	190	370	78	129	273	43	82	193
8264/.322 8264/.324	480 x 360 x 270 480 x 360 x 260	145	215	400	90	146	295	50	93	208

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8264/.323 8264/.325	480 x 360 x 340 480 x 360 x 330	160	240	465	99	163	343	55	104	242
8264/.332 8264/.334	480 x 480 x 270 480 x 480 x 260	175	260	500	109	176	369	60	113	261
8264/.333 8264/.335	480 x 480 x 340 480 x 480 x 330	200	300	565	116	190	417	64	122	294
8264/.932 8264/.934	730 x 480 x 270 730 x 480 x 260	260	385	710	162	261	524	89	167	370
8264/.933 8264/.935	730 x 480 x 340 730 x 480 x 330	301	447	810	207	355	598	114	227	422
8264/.992 8264/.994	730 x 730 x 270 730 x 730 x 260	302	448	818	208	356	604	115	228	426
8264/.993 8264/.995	730 x 730 x 340 730 x 730 x 330	347	520	933	248	405	826	137	259	583
8264/.996	730 x 730 x 465	347	520	933	248	405	826	137	259	583
8264/.997	730 x 730 x 570	347	520	933	248	405	826	137	259	583
8264/.998	730 x 730 x 480	347	520	933	248	405	826	137	259	583
8264/.999	730 x 730 x 585	347	520	933	248	405	826	137	259	583

* Values have been determined without a dust layer.