



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 17.0011X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 1 [Issue 0 \(2017-02-15\)](#)
Date of Issue: 2022-04-11
Applicant: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany
Equipment: **Position switch type 8070/2-*-***
Optional accessory:
Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment dust ignition protection by enclosure "t",
Equipment protection by increased safety "e"**
Marking: Ex db eb IIC T6 Gb
Ex tb III C T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

Lead Auditor and officially recognised expert

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



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 Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

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 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR17.0007/01](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/17](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Subject and Type

Position switch type 8070/2-*-*

- | | |
|-------------|---------------------------------|
| 1. Asterisk | Contact |
| 2. Asterisk | Actuator |
| 3. Asterisk | Lower ambient temperature range |

Description

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

The Position switch type 8070/2-*-*U60 shall be protected against mechanical hazards for ambient temperatures below -40 °C.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating to the current standard



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**Additional information:
Parameters**

See Annex

Annex:

[BVS_17_0011X_Stahl_Annex1.pdf](#)



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Annex
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Description

The position switch 8070/2-*-* is designed in type of protection Increased Safety "e" and Protection by Enclosure "t" and is equipped with a switch type 8080/1-* (IECEX PTB 05.0025 U) in type of protection Flameproof Enclosure "d".

The position switch is suitable for the application in areas potentially hazardous by combustible gases and dusts.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Switch type 8080/1-*	IECEX PTB 05.0025 U	IEC 60079-0:2011 IEC 60079-1:2007 ¹ IEC 60079-7:2006 ¹

¹ No applicable technical differences

Parameters

Rated switching voltage	AC	500 V
Rated switching current		2 A
	or	4 A
Utilization category	AC	15
Rated connecting capacity		1.5 mm ²
Ambient temperature range		
For 4 A		-20 °C / -40 °C / -60 °C up to +55 °C
For 2 A		-20 °C / -40 °C / -60 °C up to +60 °C
Degree of protection		
Vesta (Vestamid) enclosure		IP66 (-60 °C up to +55 °C / +60 °C)
Ultra (Ultramid) enclosure		IP66 (-40 °C up to +55 °C / +60 °C)
Ultra (Ultramid) enclosure assembled protected from mechanical hazards		IP66 (-60 °C up to +55 °C / +60 °C)