



# 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](http://www.iecex.com)

Certificate No.: **IECEX BVS 16.0085** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2016-12-02)

Status: **Current** Issue No: 1

Date of Issue: 2022-04-29

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

Equipment: **Position switch type 8074/1--..... and 8074/2--.....**

Optional accessory:

Type of Protection: **Flameproof Enclosures "d", Protection by Enclosure "t", Increased Safety "e"**

Marking: Ex db eb IIC T6/T5 Gb  
Ex tb IIIC T80°C/T95°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Dr Michael Wittler**

Position:

**Deputy Head of Certification Body**

Signature:  
(for printed version)

29.04.2022

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 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/ExTR16.0083/01](#)

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 8074/1-.-..... and type 8074/2-.-.....

For further differentiation the dots in the type name will be replaced regarding actuation and contact function.

### **Description**

The position switch type 8074/1-.-..... consists of a painted enclosure either made of steel. The position switch type 8074/2-.-..... is made of aluminium or a combination of stainless steel and aluminium; they are designed for the type of protection Increased Safety 'e' and Protection by Enclosure 't'.

Inside the enclosure a switch insert in compliance with type of protection Flameproof Enclosure is installed. It is separately certified according:

- IECEx BVS 16.0009U      or
- IECEx PTB 05.0025U

### **Parameters**

See Annex

**SPECIFIC CONDITIONS OF USE: NO**



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

Updating of the standards

### **Annex:**

[BVS\\_16\\_0085\\_Stahl\\_Annex\\_issue1.pdf](#)



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**Annex**  
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## Parameters

With switch insert according to IECEx BVS 16.0009U

Rated switching voltage	≤	250	V AC
	≤	230	V DC
Rated switching current	≤	6	A AC
	≤	0.25	A DC
Category of use	AC	15	AC
	DC	13	DC
Rated connection capacity		1.5	mm <sup>2</sup>
Ambient temperature range (T6 / T80 °C)		-20 °C to +40 °C	
Ambient temperature range (T5 / T95 °C)		-20 °C to +60 °C	
Frequency of operation		1800 / h	

With switch insert according to IECEx PTB 05.0025U

Rated switching voltage	≤	250	V AC
	≤	125	V DC
Rated switching current	≤	6.6	A
	≤	4.4	A
Category of use	AC	15	
	DC	12	
Rated connection capacity	≤	2.5	mm <sup>2</sup>

Max. Rated switching current	Ambient temperature range -40 °C to +70 °C
4.4 A	T6
6.6 A	T5

Frequency of operation 1800 / h