



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.:

Status:

Date of Issue: **2016-08-08** Page 1 of 4

Applicant: **Steute Schaltgeräte GmbH & Co. KG**
Brückenstraße 91
32584 Löhne
Germany

Equipment: **Position switch type Ex E* 97 *****
Optional accessory:

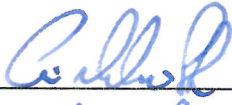
Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"**

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

Approved for issue on behalf of the IECEx Certification Body: Dr. F. Eickhoff

Position: Deputy Head of Certification Body

Signature:
(for printed version)



2016-08-08

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:





IECEX Certificate of Conformity

Certificate No.: IECEx BVS 16.0052

Date of Issue: 2016-08-08

Issue No.: 0

Page 2 of 4

Manufacturer: **Steute Schaltgeräte GmbH & Co. KG**
Brückenstraße 91
32584 Löhne
Germany

Additional 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:

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"
IEC 60079-7 : 2015 Edition: 5.0	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/ExTR16.0052/00](#)

Quality Assessment Report:

[DE/BVS/QAR06.0023/07](#)



IECEx Certificate of Conformity

Certificate No.: IECEx BVS 16.0052

Date of Issue: 2016-08-08

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and Type

Position switch type Ex E* 97 ***

1. Asterisk Switch
2. Asterisk Actuator
3. Asterisk Contact
4. Asterisk Lower ambient temperature range

Description

The position switch Ex E* 97 *** 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.

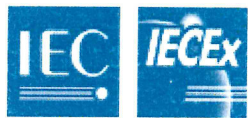
Listing of all components used referring to older standards

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

¹ No applicable technical differences

² Technical differences evaluated and found satisfactory

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BVS 16.0052

Date of Issue: 2016-08-08

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

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 IP66 (IP67 for -20 °C up to +55 °C /+60 °C)