



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 BVS 07.0014 issue No.:3

Status: **Current**

Date of Issue: **2015-06-30** Page 1 of 5

Certificate history:
Issue No. 3 (2015-6-30)
Issue No. 2 (2013-1-29)
Issue No. 1 (2009-8-13)
Issue No. 0 (2007-8-2)

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

Electrical Apparatus: **Position switch type Ex 335 **, Ex ES 98 **, Ex EM 98 **, Ex ES 98 ** -40 °C and Ex EM 98 ** -40 °C**
Optional accessory:

Type of Protection: **Flameproof enclosure "d"; increased safety "e"; Equipment dust ignition protection by enclosure 't'**

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

Approved for issue on behalf of the IECEx Certification Body: H.-Ch. Simanski

Position: Head of Certification Body

Signature:
(for printed version)

Date:


30.6.2015

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.

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany


DEKRA
DEKRA EXAM GmbH



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 07.0014

Date of Issue: 2015-06-30

Issue No.: 3

Page 2 of 5

Manufacturer: **Steute Schaltgeräte GmbH & Co.**
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 : 2007-04 Edition: 6	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 : 2006-07 Edition: 4	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/ExTR07.0017/03

Quality Assessment Report:

DE/BVS/QAR06.0023/06



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 07.0014

Date of Issue: 2015-06-30

Issue No.: 3

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

Subject and type

Position switch types Ex 335 * *, Ex ES 98 *-**, Ex EM 98 *-**, Ex ES 98 *-** -40 °C and Ex EM 98 *-** -40 °C
The asterisks of the type code will be replaced by numbers and letters to allow for a clear distinction of their actuation mode and contact function; however, they are not Ex-relevant.

Description

The position switch consists of a painted enclosure either made of steel (type Ex 335 * *) or for types Ex ** 98 *-** and Ex ** 98 *-** -40 °C 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'.

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BVS 07.0014

Date of Issue: 2015-06-30

Issue No.: 3

Page 4 of 5

EQUIPMENT(continued):

Parameters:

With switch insert type Ex 98...

Rated switching voltage	AC	250	V
		230	V
	DC		
	AC	6	A
Rated switching current	DC	0.25	A
	AC	15	
Category of use	DC	13	
Rated connecting capacity		1.5	mm ²
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 IECEx PTB 05.0025U

Rated switching voltage	AC	250	V
		125	V
	DC		
	AC	6.6	A
Rated switching current	DC	4.4	A
	AC	15	
Utilization category	DC	12	
Rated connecting capacity		2.5	mm ²

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

Frequency of operation 1800 /h



IECEx Certificate of Conformity

Certificate No.: IECEx BVS 07.0014

Date of Issue: 2015-06-30

Issue No.: 3

Page 5 of 5

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

The equipment now complies with the currently applicable edition of the standard.
The types Ex ES 98 *-** -40 °C and Ex EM 98 *-** -40 °C were added.