



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 PTB 06.0098X Issue No.: 0

Status: Current

Date of Issue: 2006-12-07 Page 1 of 3

Applicant: steute Schaltgeräte GmbH & Co. KG
Brückenstraße 91
D-32584 Löhne
Germany

Electrical Apparatus: Position switch, type EEx 14 ...
Optional accessory:

Type of Protection: flammproof d, protection by enclosure tD

Marking: Ex d IIC T5/T6
Ex tD A21 IP 65 T 80 °C/95 °C

Approved for issue on behalf of the IECEx
Certification Body:

Dr. Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosures"

Signature:
(for printed version)

Date: 15. 12. 06

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:

**Physikalisch-Technische
Bundesanstalt (PTB)**

Bundesallee 100
38116 Braunschweig
Germany



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Certificate No.: **IECEX PTB 06.0053X**

Date of Issue: **2006-07-27**

Issue No.: **0**

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

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 manufacture'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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2001 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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/PTB/ExTR06.0085/00

Quality Assessment Report:

DE/BVS/QAR06.0023/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The position switch, type EEx 14... , is used for switching signal and control circuits. Actuator elements will be used as required.

Connection is made by means of the integrated connecting cable (open-ended line).

Technical data

Rated insulation voltage	up to	250 V	Rated operating
voltage	up to	250	
		230 V	
Rated current I _e	max	6 A	0.25 A
Utilization category.....		AC-15	DC-13

Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

Contacts 1 NOC and 1 NOC, or 2 NCCs

Rated conductor cross section up to 4 x 0.5 mm² or 0.75 mm²

Temperature class	T6	T5	T5
Ambient temperature	65 °C	75 °C	90 °C

Thermal limiting current 3 A at ambient temperatures > 75 °C
 The position switch is designed for up to 100 °C temperature resistance.

CONDITIONS OF CERTIFICATION: YES as shown below:

The position switch has not been subjected to an impact test in compliance with IEC 60079-0:2004, sections 26.4.2. The position switch shall be installed that equivalent protection is guaranteed.

The connecting cable (open-ended line) of the position switch shall be installed to provide for permanent wiring and adequate protection against mechanical damage.