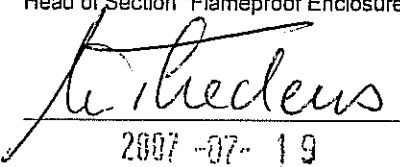




# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEx PTB 07.0034X	issue No.:1	<table border="1"> <tr><td>History:</td></tr> <tr><td>Issue No. 1 (2007-7-18)</td></tr> <tr><td>Issue No. 0 (2007-6-20)</td></tr> </table>	History:	Issue No. 1 (2007-7-18)	Issue No. 0 (2007-6-20)
History:						
Issue No. 1 (2007-7-18)						
Issue No. 0 (2007-6-20)						
Status:	Current					
Date of Issue:	2007-07-18	Page 1 of 5				
Applicant:	steute Schaltgeräte GmbH & Co. KG Brückenstraße 91 32549 Löhne Germany					
Electrical Apparatus: Optional accessory:	Pull-Wire Switch type EEx ZS 71 / 73 / 75 / 80					
Type of Protection:	Flameproof Enclosures, Protection by Enclosures					
Marking:	Ex d IIC T6 or T5 Ex tD A21 IP65 T80°C or T95 °C					
Approved for issue on behalf of the IECEx Certification Body:	Dr.-Ing. Martin Thedens Head of Section "Flameproof Enclosures"					
Position:	 2007-07-19					
Signature: (for printed version)						
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.

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)  
 Bundesallee 100  
 38116 Braunschweig  
 Germany





# IECEX Certificate of Conformity

Certificate No.: IECEX PTB 07.0034X

Date of Issue: 2007-07-18

Issue No.: 1

Page 2 of 5

Manufacturer: **steute Schaltgeräte GmbH & Co. KG**  
Brückenstraße 91  
32549 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 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
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/ExTR07.0038/00

#### Quality Assessment Report:

DE/BVS/QAR06.0023/00



# IECEx Certificate of Conformity

Certificate No.: IECEx PTB 07.0034X

Date of Issue: 2007-07-18

Issue No.: 1

Page 3 of 5

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description of equipment

The pull wire switches, type EEx ZS 71-.-..., EEx ZS73-.-..., EEx ZS75-.-... and EEx ZS 80-.-... consist of the built-in switch type EEx 14...., which is mounted in a light-alloy enclosure with plastic cover or light-alloy cover of different sizes to protect it against impact. The enclosures are equipped with a push button. Connection is by means of the integrated connecting cable (unconnected cable end).

The built-in switch is certified in IECEx PTB 06.0098X

#### CONDITIONS OF CERTIFICATION: YES as shown below:

#### Special condition of use

The connecting lead (open-ended line) of the pull wire switch shall be installed to provide for permanent wiring and adequate protection against mechanical damage. Within the potentially explosive area, the open insulated wires of the unconnected cable end have to be connected by means of an enclosure that meets the requirements of a standard type of protection specified in IEC 60079-0, section 1.



# IECEx Certificate of Conformity

Certificate No.: IECEx PTB 07.0034X

Date of Issue: 2007-07-18

Issue No.: 1

Page 4 of 5

## EQUIPMENT(continued):

### Nomenclature

EEEx	ZS ..	--	...
1	2	3	4

- 1: Ex pull-wire switch  
 2: type (EEEx ZS 71-, 73-, 75-, 80-)  
 3: Contact function  
 4: Actuation, unlocking

### Technical data

Rated insulation voltage	up to	250 V	
Rated operating voltage	up to	250 V	230 V
Rated current $I_p$	max.	6 A, 3 A	0.25 A
Utilization category		AC-15	DC-13
Contact assignment		1 NOC and 1 NCC, or 2 NCC 2 NOC and 2 NCC 3 NCC and 1 NOC 4 NCC	
Conductor connection		up to 4 x 0.5 mm <sup>2</sup> or 0.75 mm <sup>2</sup>	
Ambient temperature and temperature class		- 20 °C up to +55 °C, T6 - 20 °C up to +70 °C, T5 - 20 °C up to +90 °C, T5 and max. 3 A	
Protection against contact, foreign bodies and water		IP65 in compliance with 60529	
Provided the making and breaking capacities defined in the relevant regulations 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.			



# IECEx Certificate of Conformity

Certificate No.: IECEx PTB 07.0034X

Date of Issue: 2007-07-18

Issue No.: 1

Page 5 of 5

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

Editorial revision. The different contact functions have been added.