Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

(1) # EC-TYPE-EXAMINATION CERTIFICATE

(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

PTB 01 ATEX 1052

(4) Equipment: Position switch type 8060/1-.-...

(5) Manufacturer: R. STAHL Schaltgeräte GmbH

(6) Address: Am Bahnhof 30, 74638 Waldenburg (Württ.), Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 01-11023.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997 + A1 + A2 **EN 50018:1994** **EN 50019:1994**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

Ex II 2 G EEx ed IIC T6

Zertifizierungsstelle Explosionsschutz
By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

Braunschweig, June 20, 2001

(13) # SCHEDULE

(14) ## EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1052

(15) Description of equipment

The position switch of type 8060/1-.-... is a plastic switch with integrated contact element (which is covered by a separate certificate). It is used to actuate auxiliary, control and signal circuits. Connection is by means of a (separately certified) cable entry.

Technical data

Rated isolation voltage	up to		550 V	
Rated operating voltage	up to	125 V	250 V	500 V
Rated current	max.	10 A	0.2 A	10 A
Utilisation category		DC-12	DC-12	AC-15
Contacts		NO contact and/or contact with positive opening operation		
Rated cross section		2.5 mm²		
Ambient operating temperatures during operation		-20 °C to 50 °C for 10 A -20 °C to 70 °C for 6 A		

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

(16) Test report PTB Ex 01-11023

(17) Special conditions for safe use

None

Notes for manufacture and use

The EC type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements to Certificate of Conformity PTB No. Ex-96.D.3137.

(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the position switch of type 8060/1-.-... meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz
By order

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

Braunschweig, June 20, 2001

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

1st S U P P L E M E N T

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 01 ATEX 1052

(Translation)

Equipment: Position switch, type 8060/1-.-...

Marking: ⟨Ex⟩ **II 2 G EEx ed IIC T6**

Manufacturer: R. STAHL Schaltgeräte GmbH

Address: Am Bahnhof 30, 74638 Waldenburg (Württ.), Germany

Description of supplements and modifications

The position switch type 8060/1-.-... , made from plastics, may also be employed in areas in which a potentially explosive atmosphere as a mixture of dust and air can occasionally form.

It has been re-inspected on the basis of Standards EN 60079-0, EN 60079-1 and EN 60079-7.

The marking will thus change to:

⟨Ex⟩ **II 2 G Ex de IIC T6**

⟨Ex⟩ **II 2 D Ex tD A21 IP65 T 80 °C**

Applied standards

EN 60079-0:2004	**EN 60079-1:2004**	**EN 60079-7:2003**
prEN 61241-0:200X	**EN 61241-1:2004**	

Test report: PTB Ex 06-16268

Zertifizierungsstelle Explosionsschutz
By order:

Dr.-Ing. U. Klausmeier
Direktor und Professor

Braunschweig, November 30, 2006