



(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 02 ATEX 1031 X

(4) Equipment: Miniature limit switch, type 8064/2.-...-...-

(5) Manufacturer: R. STAHL Schaltgeräte GmbH

(6) Address: 74638 Waldenburg, 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 02-11102.

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

EN 50014:1997 + A1 + A2

EN 50018:1994

(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, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 2 G EEx d IIC T6**

Zertifizierungsstelle Explosionschutz

By order:

Dr.-Ing. Wehinger
Direktor und Professor



Braunschweig, July 10, 2002

(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 02 ATEX 1031 X

(15)

Description of equipment

The miniature limit switch, type 8064/2.-...-...-..., is used as auxiliary switch for signal and control circuits. The limit switch is available with one or two interrupter chambers and enclosures differing in their thermal resistance. Connection is by means of an encapsulated connecting cable (open ended line).

Technical data

Rated insulation voltage ^{*)} up to
^{*)} depending on connecting cable used

500 V

Type 8064/21 and type 8064/25 and 8064/28

Rated operating voltage U_e

400 V

250 V

Rated current I_e max.

2 A

0.15 A

based on utilisation 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 depending on contact unit

1 or 2 changeover contacts, or
 1 NCC and/or 1 NOC,
 1 or 2 NCC with positive opening operation

For thermal class

T6

At ambient temperature

≤60 °C

75 °C

Types 8064/21-..0, 8064/25 and 8064/28

Thermal current rating

7 A

3 A

The limit switches of types 8064/21, 8064/25 and 8064/28 are temperature resistant within a range of -55 °C to +100 °C.

Rated conductor cross section

2 to 8 x 1.5 mm²

(16)

Test report PTB Ex 02-11102

(17) Special conditions for safe use

The miniature limit switch shall be installed such that it will be mechanically protected against impact energy as required in EN 50014, section 23.4.3.1.

The quality of the connecting cable shall be such that it will meet the thermal and mechanical requirements within the operative range.

This EC type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements for Component Certificate PTB No. Ex-93.C.1015 X.

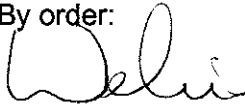
(18) Essential health and safety requirements

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

Zertifizierungsstelle Explosionsschutz

Braunschweig, July 10, 2002

By order:



Dr.-Ing. Wehinger
Direktor und Professor



EG-Konformitätserklärung
EC-Declaration of Conformity
Déclaration de Conformité CE



Wir; we; nous

R. STAHL Schaltgeräte GmbH, Am Bahnhof 30, 74638 Waldenburg, Germany

8064/2

erklären in alleiniger Verantwortung, dass das Produkt
hereby declare in our sole responsibility, that the product
déclarons, sous notre seule responsabilité, que le produit

Kleingrenztaster
Micro limit switch
Fin de course miniature

mit der **EG-Baumusterprüfbescheinigung:**
under *EC-Type Examination Certificate:*
avec *Attestation d'examen CE de type:*

PTB 02 ATEX 1031 X
(Physikalisch-Technische Bundesanstalt
Bundesallee 100, 38116 Braunschweig)

auf das sich diese Erklärung bezieht, mit den folgenden Normen oder normativen Dokumenten übereinstimmt
which is the subject of this declaration, is in conformity with the following standards or normative documents
auquel cette déclaration se rapporte, est conforme aux normes ou aux documents normatifs suivants

Bestimmungen der Richtlinie <i>Terms of the directive</i> <i>Prescription de la directive</i>	Nummer sowie Ausgabedatum der Norm <i>Number and date of issue of the standard</i> <i>Numéro ainsi que date d'émission de la norme</i>
94/9/EG: ATEX-Richtlinie 94/9/EC: <i>ATEX Directive</i> 94/9/CE: <i>Directive ATEX</i>	EN 60079-0: 2006 EN 60079-1: 2007
2004/108/EG: EMV-Richtlinie 2004/108/EC: <i>EMC Directive</i> 2004/108/CE: <i>Directive CEM</i>	
Allgemeine Normen ohne Bezug auf eine Richtlinie <i>General standards without reference to a directive</i> <i>Normes générales sans référence à une directive</i>	EN 60947-1: 2007 EN 60947-5-1: 2004

Waldenburg, 15. Juni 2010

Ort und Datum
Place and date
Lieu et date

i.V.

B. Limbacher
Leiter Entwicklung
Head of Development
Directeur Développement

i.V.

Dr. S. Jung
Leiter Qualitätsmanagement
Director Quality Management Dept.
Directeur Dép. Assurance de Qualité