(1) EC-Type Examination Certificate

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

(3) EC-Type Examination Certificate Number

EPS 14 ATEX 1 766 X **Revision: 0**

(4) Equipment: Limit switch type 07-25*1-****/****
Position switch type 07-291*-****/****

(5) Manufacturer: BARTEC GmbH

(6) Address: Max-Eyth-Straße 16
97980 Bad Mergentheim

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

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 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 of the Directive. The examination and test results are recorded in the confidential report 14TH0090.

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

EN 60079-0:2012 **EN 60079-1:2007**
EN 60079-31:2014 **(IEC 60079-1:2014)**

(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 the 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:

II 2G Ex d IIC T6,T5 Gb or II 2G Ex db IIC T6, T5
II 2D Ex tb IIIC T80°C,T95°C Db or II 2D Ex tb IIIC T80°C,T95°C

Certification department of explosion protection

Nürnberg, 2014-12-03

D. Zitzmann

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(13) **Annexe**

(14) **EC-Type Examination Certificate EPS 14 ATEX 1 766 X** **Rev. 0**

(15) Description of equipment:

The limit switch type 07-2511-****/**** and 07-2581-****/**** as well as the position switch type 07-291*-****/**** is used as equipment or utility power switch for signal and control circuits. The connection is made by cemented hose cables. The position Switch is designed with a guard (protective enclosure) which protects against the risk of high mechanical hazards according to the EN 60079-0, Table 13b, group II.

Technical data:

Type	max. Rated current[1]	max. Rated voltage
07-2511-1***/****, 07-2581-1***/****, 07-2511-5***/****, 07-2581-5***/****, 07-2511-7***/****, 07-2581-7***/****, 07-2911-****/****, 07-2915-****/****, 07-2917-****/****	AC 2 A	AC 400 V
	AC 7 A	AC 250 V
	DC 0,5 A	DC 250 V
	DC 7 A	DC 30 V
07-2511-3***/****, 07-2581-3***/****, 07-2511-6***/****, 07-2581-6***/****, 07-2511-8***/****, 07-2581-8***/****, 07-2913-****/****, 07-2916-****/****, 07-2918-****/****	0,4 A	30 V

Number of hose cables[1]: 1 or 2

Cross section[1]: 0,5 mm² up to 1,5 mm²

Ambient temperature range[1]: Max. -60 °C ≤ T_a ≤ +75 °C (T6),
Max. -60 °C ≤ T_a ≤ +90 °C (T5)

[1] = type depending values

The classification of a specific temperature class depends on ambient temperature, current load, cable type and cross section. These data are defined on the marking plate and they are also provided by the manufacturer within the technical documents and instruction manual.

(16) Test report: 14TH0090

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EC-Type Examination Certificate EPS 14 ATEX 1 766 X Rev. 0

(17) Special conditions for safe use:

- The limit switch and position switch shall be used within its operating range and rating according to manufacturer's documents and marking.
- The limit switch shall be installed that it is protected by a guard against the risk of high mechanical danger, which meets at least the requirements of IEC 60079-0, Table 13 b), group II. Resistance to light exposure is fulfilled by the housing material according to EN 60079-0.
- The specific installation standards and manufacturer's instructions must be respected.

(18) Essential health and safety requirements:

Met by standards.

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