



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 EPS 14.0092X

Issue No: 1

Certificate history:

Status: Current

Issue No. 1 (2018-06-20)

Issue No. 0 (2014-12-03)

Date of Issue: 2018-06-20

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Applicant: BARTEC GmbH
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Equipment: Limit switch type 07-25*1-****/**** and Position switch type 07-291*-****/****
Optional accessory:

Type of Protection: "db", "tb"

Marking:
Ex db IIC T6,T5 Gb
Ex tb IIIC T80°C,T95°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification manager

Signature:
(for printed version)

Date:

2018-06-20



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](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: BARTEC GmbH
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Additional 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 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 : 2017 Edition:7.0 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1 : 2014-06 Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2013 Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |

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/EPS/ExTR14.0093/00](#) [DE/EPS/ExTR14.0093/01](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 IEC 60079-0, Table 13b, group II.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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 IEC 60079-0.

The specific installation standards and manufacturer's instructions must be respected.



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

Update of standards

Annex:

[IECEXEPS14.0092X-Annex.pdf](#)

Annex to: IECEx EPS 14.0092X issue No.: 0
 Applicant: BARTEC GmbH
 Apparatus: Limit switch Type 07-25*1-****/****
 Position switch Type 07-291*-****/****



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.

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