



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 14.0039X

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2018-03-09)

Issue No. 0 (2014-08-20)

Date of Issue: 2018-03-09

Page 1 of 4

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

Equipment: **Built-in switch mini type 07-2501-****/******
Optional accessory:

Type of Protection: **d - flameproof enclosure**

Marking:
Ex db IIC T6, T5 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Manager Certification

Signature:
(for printed version)

Date:

2018-03-09



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:

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





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Certificate No: IECEx EPS 14.0039X

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Page 2 of 4

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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/ExTR14.0041/01

Quality Assessment Report:

DE/TUN/QAR06.0017/09



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Certificate No: IECEx EPS 14.0039X

Issue No: 1

Date of Issue: 2018-03-09

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment:

The built-in switch mini type 07-2501-**** / * **** is used as equipment or utility power switch for signal and control circuits. The connection is made by cemented hose cables.

Technical data:

See annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The built-in switch mini shall be used within its operating range and rating according to manufacturer's documents and marking.

The built-in switch must be protected from mechanical damage by a tested and certified protection device according to IEC 60079-0. 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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Certificate No: IECEx EPS 14.0039X

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Page 4 of 4

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

Addition of a new cable, change of the name, reduction of distances.

Annex:

IECEX EPS 14.0039X - Annex_1.pdf

Annex to: IECEx EPS 14.0039X issue No.: 1
 Applicant: BARTEC GmbH
 Apparatus: Miniature limit switch Type 07-2501-****/****



Technical data:

Type	max. rated current	max. rated voltage
07-2501-5****/****	AC 1 A	AC 250 V
07-2501-6****/****	AC 5 A	AC 250 V
	DC 5 A	DC 0-15 V
	DC 3 A	DC 15-30 V
07-2501-7****/****	DC 0,4 A	DC 30 V

Number of conductors⁽¹⁾: 2 or 3
 Cross section⁽¹⁾: 0,5 or 0,75 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.