



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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEx EPS 14.0038U

Issue No: 2

Certificate history:

Status: **Current**

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Issue No. 2 (2019-09-19)

Date of Issue: **2019-09-19**

Issue No. 1 (2018-03-09)

Issue No. 0 (2014-08-20)

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

Ex Component: **Built-in switch mini type 07-1501-****/******

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

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

Marking:

Ex db IIC Gb
Ex db I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Manager Certification

Signature:
(for printed version)

Date:

2019-09-19



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 Component 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 Ex Component 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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/EPS/ExTR14.0040/00](#)

[DE/EPS/ExTR14.0040/01](#)

[DE/EPS/ExTR14.0040/02](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/09](#)



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Schedule

Ex Component(s) covered by this certificate is described below:

Description of component:

The built-in switch mini type 07-1501-**** / * *** is used as equipment or utility power switch for signal and control circuits. The connection is made by cemented single conductors.

Technical data:

See annex.

SCHEDULE OF LIMITATIONS:

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 mini must be installed inside of a housing which fulfils the requirements of an approved type of protection 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.

The conductors of the built-in switch mini must be protected against tensile load and torsion.



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

Update of standard

Annex:

[IECEX EPS 14.0038U - Annex_1.pdf](#)

Annex to: IECEx EPS 14.0038U issue No.: 1

Applicant: BARTEC GmbH

Apparatus: Built-in switch mini type 07-1501-****/****



**BUREAU
VERITAS**

Technical data:

Type	max. rated current	max. rated voltage
07-1501-5****/****	AC 1 A	AC 250 V
07-1501-6****/****	AC 5 A	AC 250 V
	DC 5 A	DC 0-15 V
	DC 3 A	DC 15-30 V
07-1501-7****/****	DC 0,4 A	DC 30 V

Number of conductors⁽¹⁾: 2 or 3
Cross section⁽¹⁾: 0,5 or 0,75 mm²
Service temperature range⁽¹⁾: Max. -60 °C to +100 °C
(depending on conductors used)

⁽¹⁾ = type depending values

Also, for specific operating conditions of the final application, a temperature classification may be defined. This classification is defined within the technical documents and instruction manual provided by the manufacturer.

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