



(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 1 765 U

Revision: 0

(4) **Component:** Built-in switch type 07-15*1-****/****

(5) **Manufacturer:** BARTEC GmbH

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

(7) This component 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 component 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
(IEC 60079-1:2014)**

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-Type Examination Certificate relates only to the design and the construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

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



II 2G Ex d IIC Gb or II 2G Ex db IIC
I M2 Ex d I Mb or I M2 Ex db I

Certification department of explosion protection

Nürnberg, 2014-12-03



D. Zitzmann

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Certificates without signature are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.
EPS 14 ATEX 1 765 U Rev. 0

(13)

Annexe

(14) **EC-Type Examination Certificate EPS 14 ATEX 1 765 U Rev. 0**

(15) Description of component:

The built-in switch type 07-1511-****/****, 07-1541-****/**** and 07-1581-****/**** are used as equipment or utility power switch for signal and control circuits. The connection is made by cemented single conductors.

Technical data:

Type	max. Rated current ⁽¹⁾	max. Rated voltage
07-1511-1****/****, 07-1581-1****/****, 07-1511-5****/****, 07-1581-5****/****, 07-1511-7****/****, 07-1581-7****/****	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
07-1511-3****/****, 07-1581-3****/****, 07-1511-6****/****, 07-1581-6****/****, 07-1511-8****/****, 07-1581-8****/****	0,4 A	30 V
07-1541-1****/****	AC 5 A	AC 250 V
07-1541-1****/****, 07-1541-5****/****, 07-1541-7****/****	AC 2 A	AC 400 V
	AC 4 A	AC 250 V
	DC 0,5 A	DC 250 V
	DC 7 A	DC 30 V

Type	Service temperature range ⁽¹⁾
07-1511-1****/****, 07-1581-1****/****, 07-1511-3****/****, 07-1581-3****/****	-20 °C ≤ T ≤ +xxx °C ⁽²⁾
07-1511-5****/****, 07-1581-5****/****, 07-1511-6****/****, 07-1581-6****/****	-55 °C ≤ T ≤ +xxx °C ⁽²⁾ (xxx = max. +100 °C)
07-1511-7****/****, 07-1581-7****/****, 07-1511-8****/****, 07-1581-8****/****	-60 °C ≤ T ≤ +xxx °C ⁽²⁾
07-1541-1****/****	-20 °C ≤ T ≤ +yy °C ⁽²⁾ (yy = max. +90 °C)

Number of conductors⁽¹⁾: 2 - 8
 Cross section⁽¹⁾: 0,5 mm² up to 1,5 mm²

⁽¹⁾ = type depending values
⁽²⁾ = depending on conductors used

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.

EC-Type Examination Certificate EPS 14 ATEX 1 765 U Rev. 0

(16) Test report: 14TH0090

(17) Schedule of limitations:

- The built-in switch shall be used within its operating range and rating according to manufacturer's documents and marking.
- The built-in switch must be installed inside of a housing which fulfils the requirements of an approved type of protection according to EN 60079-0. 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.
- The connection lines of the built-in switch must be protected against tensile load and torsion.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Nürnberg, 2014-12-03





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(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 1 765 U

Revision: 1

(4) Component: Built-in switch type 07-15*1-****/****

(5) Manufacturer: BARTEC GmbH

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

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II 2G Ex d IIC Gb or II 2G Ex db IIC
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Certification department of explosion protection

Nuremberg, 2015-05-21



D. Zitzmann



**BUREAU
VERITAS**

(13)

Annexe

(14) **EC-Type Examination Certificate EPS 14 ATEX 1 765 U Rev. 1**

(15) Description of component:

The built-in switch type 07-1511-****/****, 07-1541-****/**** and 07-1581-****/**** are used as equipment or utility power switch for signal and control circuits. The connection is made by cemented single conductors.

Technical data:

Type	max. rated current ⁽¹⁾	at max. rated voltage
07-1511-1****/****, 07-1581-1****/****, 07-1511-5****/****, 07-1581-5****/****, 07-1511-7****/****, 07-1581-7****/****	AC 2 A AC 7 A DC 0,5 A DC 7 A	AC 400 V AC 250 V DC 250 V DC 30 V
07-1511-3****/****, 07-1581-3****/****, 07-1511-6****/****, 07-1581-6****/****, 07-1511-8****/****, 07-1581-8****/****	0,4 A	30 V
07-1541-1****/****	<u>Variant 1:</u> AC 4 A	AC 250 V
07-1541-1****/****	<u>Variant 2:</u> AC 2 A AC 4 A DC 0,4 A DC 2 A	AC 400 V AC 250 V DC 250 V DC 30 V
07-1541-5****/****, 07-1541-7****/****	AC 2 A AC 4 A DC 0,4 A DC 2 A	AC 400 V AC 250 V DC 250 V DC 30 V
07-1541-1*70/****, 07-1541-1*77/****, 07-1541-5*70/****, 07-1541-5*77/****, 07-1541-7*70/****, 07-1541-7*77/****	DC 2 A ⁽¹⁾	DC 250 V ⁽¹⁾ ⁽¹⁾ Operating condition with limited number of make-and-break cycles (see operating instructions). Intended for final application like e.g. luminaires in battery powered mode (emergency operation).

Type	Service temperature range ⁽¹⁾
07-1511-1****/****, 07-1581-1****/****, 07-1511-3****/****, 07-1581-3****/****, 07-1541-1****/****	-20 °C ≤ T ≤ +xxx °C ⁽²⁾
07-1511-5****/****, 07-1581-5****/****, 07-1511-6****/****, 07-1581-6****/****, 07-1541-5****/****	-55 °C ≤ T ≤ +xxx °C ⁽²⁾ (xxx = max. +100 °C)
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- The connection lines of the built-in switch must be protected against tensile load and torsion.

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