

(1) **EU - Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 14 ATEX 1 765 U

Revision 2

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

(5) Manufacturer: BARTEC GmbH

(6) Address: Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany

(7) This component and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 documentation under the reference number 14TH0090.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

FprEN 60079-0:2018

EN 60079-1:2014

(IEC 60079-0:2017)

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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



II 2G Ex db IIC Gb

I M2 Ex db I Mb



Nuremberg, 2018-11-09



**BUREAU
VERITAS**



(13)

Annex

(14) EU - Type Examination Certificate EPS 14 ATEX 1 765 U

Revision 2

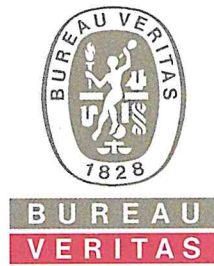
(15) Description of component:

The build-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.

Electrical 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 (*)	DC 250 V (*)
	(*) 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)
07-1511-7****/****, 07-1581-7****/****, 07-1511-8****/****, 07-1581-8****/****, 07-1541-7****/****	-60 °C ≤ T ≤ +xxx °C ⁽²⁾



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.

(16) Reference number: 14TH0090

(17) Notes for manufacture, installation and operation:

- 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 compliance with standards.



Certification department of explosion protection

Nuremberg, 2018-11-09