



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 18.0033X

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2019-03-12)

Issue No. 0 (2018-05-29)

Date of Issue: **2019-03-12**

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Applicant: **Bartec Varnost d.o.o**
Cesta 9, Avgusta
1410 Zagorje ob Savi
Slovenia

Equipment: **Junction box Type 07-5311-****/****, 07-5312-****/******

Optional accessory:

Type of Protection: **eb, ia, tb**

Marking:

Ex eb IIC T6 Gb

Ex ia IIC T6 Gb

Ex tb IIIC T80°C Db

Approved for issue on behalf of the IECEX
Certification Body:

Holger Schaffer

Position:

Certification manager

Signature:
(for printed version)

Date:

2019-03-12



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 Varnost d.o.o**
Cesta 9, Avgusta
1410 Zagorje ob Savi
Slovenia

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 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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/ExTR18.0031/00](#)

[DE/EPS/ExTR18.0031/01](#)

Quality Assessment Report:

[SI/SIQ/QAR11.0003/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The explosion-proof junction box type 07-5311-.... is used for non-portable use for connecting or distributing lines in areas with Zone 1 potential explosion hazards. Enclosure is made by plastic with certified terminals inside. Connection can be made by separately certified cable glands. Enclosure provides IP65 rating according to IEC 60529.

Electrical data:

Rated voltage:	max. 690V
Rated current:	max. 27A
Rated connectivity	4mm ²
Dimensions (L x B x H)	76 x 76 x 45 mm

see Annex for details

SPECIFIC CONDITIONS OF USE: YES as shown below:

The enclosure is intended for fixed installation where electrostatic charge hazards must be avoided.

For connection and distribution of more than one intrinsic safe circuits the creepage and clearance distances according to Table 5 of IEC 60079-11 shall be assessed depending on voltage.



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

change of ratings

Annex:

[IECEX EPS 18.0033 X - Annex.pdf](#)



Annex to Certificate
IECEx EPS 18.0033X Issue No.: 1



Ratings depending on current and ambient temperature for max service and surface temperature 80°C (T6)

Clamps,	Max. Rated (nominal) current:			Ambient temperature range
	1.5mm ²	2.5mm ²	4mm ²	
3 + 1 PE	16A	20A	27A	-20°C to +40°C
4 + 1 PE	16A	20A	27A	-20°C to +40°C
3 + 1 PE	10A	10A	16A	-20°C to +55°C
4 + 1 PE	10A	10A	16A	-20°C to +55°C
Intrinsic safe	2A	2A	2A	-20°C to +70°C
Increased safety	2A	2A	2A	-20°C to +70°C