



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX BAS 06.0020X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2018-03-20)
Date of Issue:	2021-09-03		Issue 1 (2012-05-31)
Applicant:	Bartec GmbH Max-Eyth-Strasse 16 D-97980 Bad Mergentheim Germany		Issue 0 (2006-12-14)
Equipment:	Proximity Switch Type 07-*211-****		
Optional accessory:			
Type of Protection:	Encapsulation		
Marking:	Ex mb IIC T6 Gb Ex mb III C T80°C Db IP68 Tamb -40°C to +70°C		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

6/9/21

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 www.iecex.com or use of this QR Code.



Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Date of issue: 2021-09-03

Issue No: 3

Manufacturer: **Bartec Gmbh**
Max-Eyth-Strasse 16
D-97980
Bad Mergentheim
Germany

Additional
manufacturing
locations:

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 equipment 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 60079-18:2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
Edition:4.0

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR06.0020/00](#)
[GB/BAS/ExTR21.0132/00](#)

[GB/BAS/ExTR11.0247/00](#)

[GB/BAS/ExTR18.0055/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/13](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

A Proximity Switch Type 07-*211-****, comprising a single form A (normally open), a form B (normally closed) or a form C (changeover) reed switch encapsulated within a thermoplastic housing with an integral PVC insulated 2 or 3 core cable at one end. Alternatively two reed switches or a single switch and a fuse may be encapsulated.

The housing is manufactured from Celanex 3226 Glass reinforced Polybutylene Terephthalate (PBT). The encapsulant is EpoxyLite EIP 4106, and the cables have an outer sheath of PVC.

The switches are rated up to a maximum of 200V, or 0.5A, or 10W depending upon the reed switch fitted.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The switches are to be installed in a manner that they are protected from light and impact, and that the permanently attached cables are suitably terminated and protected from impact.
2. The switches must be supplied from a circuit limiting the current to a maximum of 0.5 A depending upon the reed switch fitted.
3. The switches must only be supplied from a circuit containing a disconnect device having a breaking capacity of 1500A.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 3.1

To add alternative cables to the product.

ExTR: **GB/BAS/ExTR21.0132/00**

File Reference: **21/0403**