

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0538X**

4 Product: **A Proximity Switch Type 07-\*211-\*\*\*\***

5 Manufacturer: **Bartec GmbH**

6 Address: **Max-Eyth-Strasse 16, D-97980, Bad Mergentheim, Germany**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0: 2018 EN 60079-18: 2015 +A1: 2017**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

 **II 2G Ex mb IIC T6 Gb**

 **II 2D Ex mb IIIC T80°C Db IP68**

**-40°C ≤ Ta ≤ +70°C**

SGS Baseefa Customer Reference No. **0112**

Project File No. **21/0403**

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0191

R S SINCLAIR  
TECHNICAL MANAGER  
On behalf of SGS Baseefa Limited

13

## Schedule

14

Certificate Number BAS21UKEX0538X

### 15 Description of Product

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.

### 16 Report Number

SGS Baseefa Certification Report 21(C)0403

### 17 Specific Conditions of Use

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.

### 18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD Type Requirements
1.2.8	Overloading of equipment (protection relays, etc)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
01-1211-650001	1 of 1	1	23.02.2018	Näherungsschalter / Proximity-switch Type 07-*211-****
IECEX BAS 06.0020X				
Baseefa05ATEX0159X				

This drawing is common to Baseefa05ATEX0159X, IECEX BAS 06.0020X, BAS21UKEX0538X and held with IECEX BAS 06.0020X