Certificate Number Baseefa05ATEX0159X Issue 3



| 1  | <b>EU - TYPE EXAMINATION CERTIFICATE</b>   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| 2  | Equipment or Protective System Intended for use in Potentially Explosive Atmospheres<br>Directive 2014/34/EU   |  |  |  |  |  |  |
| 3  | EU - Type Examination Certifica<br>Number:   | te Baseefa05ATEX0159X – I  | issue 3  |  |  |  |  |
| 3.1  | In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016. |  |  |  |  |  |  |
| 4  | Product:   | A Proximity Switch Type  | 07-*211-****   |  |  |  |  |
| 5  | Manufacturer:  | Bartec GmbH  |  |  |  |  |  |
| 6  | Address:   | Max-Eyth-Strasse 16, D-9   | 7980, Bad Mergentheim, Germany   |  |  |  |  |
| 7  | This re-issued certificate extends EC Type Examination Certificate No. <b>Baseefa05ATEX0159X</b> to apply to product designed<br>and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations<br>specified in the Schedule attached to this certificate and the documents therein referred to.   |  |  |  |  |  |  |
| 8  | SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.   |  |  |  |  |  |  |
| 8.1  | The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.  |  |  |  |  |  |  |
|  | The examination and test results a   | are recorded in confidential Repor   | t No. – See Certificate History  |  |  |  |  |
| 9  | Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  |  |  |  |  |  |  |
|  | EN IEC 60079-0: 2018 EN 60   | N IEC 60079-0: 2018 EN 60079-18: 2015 +A1: 2017  |  |  |  |  |  |
|  | except in respect of those required  | ments listed at item 18 of the Scho  | dule.  |  |  |  |  |
| 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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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:   |  |  |  |  |  |
|  | <ul> <li>⟨ Ex mb IIC T6 Gb</li> <li>Ex mb IIIC T80°C</li> <li>-40°C ≤ Ta ≤ +70°C</li> </ul>  |  |  |  |  |  |  |
|  | SGS Fimko Oy Customer Refer  | ence No. 0112  | Project File No. 21/0403   |  |  |  |  |
| Conditation advised if any. its Clie This do | ions.aspx . Attention is drawn to the lin<br>d that information contained herein refle<br>It does not necessarily indicate that the<br>ent and this document does not exonera<br>ocument cannot be reproduced except in  | hitation of liability, indemnification are<br>cts the Company's findings at the time<br>e equipment may be used in particular<br>te parties to a transaction from exerci<br>full, schedule included, without prior v | rtification Services accessible at <a href="http://www.sgs.com/en/Terms-and-&lt;br&gt;di jurisdiction">http://www.sgs.com/en/Terms-and-<br/>di jurisdiction</a> issues defined therein. Any holder of this document is<br>of their intervention only and within the limits of Client's instructions,<br>industries or circumstances. The Company's sole responsibility is to<br>sing all their rights and obligations under the transaction documents.<br>vritten approval of the Company. Any unauthorized alteration, forgery<br>ers may be prosecuted to the fullest extent of the law. |  |  |  |  |

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Tuomas Hänninen SGS Fimko Oy



# Schedule

# 14 Certificate Number Baseefa05ATEX0159X – Issue 3

## **15 Description of Product**

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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

See Certificate History

#### 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   | Compliance |
|--------|---|------------|
| 1.2.7  | LVD Type Requirements                             | Pass       |
| 1.2.8  | Overloading of equipment (protection relays, etc) | Pass       |
| 1.4.1  | External effects                                  | Pass       |
| 1.4.2  | Aggressive substances, etc.                       | Pass       |
|        |   |            |

# **19** Drawings and Documents

New drawings submitted for this issue of certificate:

| Number                      | Sheet  | Issue | Date       | Description                        |
|-----------------------------|--------|-------|------------|------------------------------------|
| <sup>1</sup> 01-1211-650001 | 1 of 1 | 1     | 23.02.2018 | Näherungsschalter /                |
|                             |        |       |            | Proximity-switch Type 07-*211-**** |
| 01-1211-6B0001-A            | 6      | -     | 04.08.2021 | Proximity Switch Type 07-*211-**** |
| 01-1211-650002              | 1 of 1 | 0     | 04.08.2021 | Proximity Switch Typ07211          |
| 01-1211-650003              | 1 of 1 | 0     | 04.08.2021 | Proximity Switch Typ07211          |



Current drawings which remain unaffected by this issue:

| Number        | Sheet  | Issue | Date       | Description      |
|---------------|--------|-------|------------|------------------|
| 01-1211-6101* | 1 to 4 | С     | 07.12.2011 | Proximity switch |

The drawings are common to and held with IECEx BAS 06.0020X.

 $^1$  This drawing is common to Baseefa05ATEX0159X, IECEx BAS 06.0020X, BAS21UKEX0538X and held with IECEx BAS 06.0020X

\* This drawing has been removed from the certificate

# 20 Certificate History

| Certificate No.  | Date               | Comments   |  |
|--|--------------------|--|--|
|  |                    |  |  |
| Baseefa05ATEX0159X   | 28 October 2005    | The release of the prime certificate. The associated test and assessment against the requirements of EN60079-0: 2004 EN60079-18: 2004, prEN61241-0: 2005, EN61241-18: 2004 is documented in Test Report No. 05(C)0318. |  |
| Baseefa05ATEX0159X/1   | 31 May 2012        | To assess the product against the relevant requirements of IEC 60079-0:2011 and EN 60079-18:2009.  |  |
|  |                    | SGS Baseefa Report GB/BAS/ExTR11.0247/00   |  |
| Baseefa05ATEX0159X/2   | 20 March 2018      | This issue of the certificate is to:   |  |
|  |                    | To confirm the equipment meets the requirements of IEC 60079-0: 2017 and EN 60079-18: 2015 + A1: 2017  |  |
|  |                    | To note deletion of the drawing 1988/A3 from certification.  |  |
|  |                    | SGS Baseefa Certification Report GB/BAS/ExTR18.0055/00.  |  |
| Baseefa05ATEX0159X –<br>Issue 3                                    | - 3 September 2021 | This issue of the certificate incorporates the Prime and Supplements issued.   |  |
|  |                    | This issue of the certificate is to add alternative cables to the product.   |  |
|  |                    | The General Requirements standard has been replaced with EN IEC 60097-0: 2018 (from IEC 60079-0: 2017). As both standards are identical no further assessment is required.   |  |
|  |                    | SGS Baseefa Certification Report GB/BAS/ExTR21.0132/00   |  |
| For drawings applicable to each issue, see original of that issue. |                    |  |  |