

1 EU - TYPE EXAMINATION CERTIFICATE

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 EU - Type Examination Certificate Number: **Baseefa12ATEX0121X – Issue 2**

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: **Sentry Series Pressure & Temperature switches**

5 Manufacturer: **Delta Mobrey Ltd**

6 Address: **Hudson House, Albany Park, Camberley, Surrey, GU16 7PL
United Kingdom**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa12ATEX0121X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations 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 are recorded in confidential Report 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 60079-1: 2014 EN 60079-31: 2014

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 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:

⊕ II 2GD Ex db IIC T6 Gb (-60°C ≤ Ta ≤ +65°C) / T5 Gb (-60°C ≤ Ta ≤ +80°C)

Ex tb IIIC T85°C Db (-60°C ≤ Ta ≤ +65°C) / T100°C Db (-60°C ≤ Ta ≤ +80°C)

SGS Fimko Oy Customer Reference No. **0279**

Project File No. **22/0706**

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Schedule

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Certificate Number Baseefa12ATEX0121X – Issue 2

15 Description of Product

The Sentry Series Pressure & Temperature switches comprises a circular enclosure with a threaded cover, both manufactured in aluminium, stainless steel or cast iron. The enclosure base includes bosses for up to two threaded cable entries, and an extension housing the pressure/temperature operating mechanism.

The enclosure houses a 6 way terminal strip and up to two switch units, activated by a push-rod passing through the enclosure wall.

The external operating mechanism is separated from the electrical enclosure by a vented chamber containing the push-rod, spring and adjusters. The unit may be fitted with a range of process connections for different pressure (or temperature) operations.

Internal and external earthing facilities are provided.

The cable entries are threaded M20 or M25 (or NPT equivalents) for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Ex Equipment and not as an Ex Component.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.

16 Report Number

See Certificate History

17 Specific Conditions of Use

1. The Flamepaths are not to be repaired
2. Warning – Potential Electrostatic Charging Hazard – See Instructions

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:

Clause	Subject	Compliance
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Issue Date	Release Date	Description
15681	1 of 1	D	29/03/2023	31/03/2023	Sentry Flameproof Nameplate

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Issue Date	Release Date	Description
15678	1 of 1	B	06/09/2021	13/05/2022	Sentry Assembly Guide Drawing
15676	1 of 1	B	07/09/2021	13/05/2022	Sentry Flameproof Assembly SPDT
71079-SE-003	1 of 1	A	08/09/2021	15/05/2022	Ex d Sentry Warning Marking
71097-SE-004	1 of 1	A	07/09/2021	13/05/2022	Sentry Flameproof Assembly DPDT
71097-SE-001	1 to 17	A	22/04/2022	-	Technical Specification for Flame Proof “Sentry” Series Switches
71098-ZZ-001	1 to 5	A	22/04/2022	-	Technical Specification for sealing, grease and bonding materials used on switches

The drawings are common to IECEx BAS 12.0081X and BAS22UKEX0060X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa12ATEX0121	26 June 2012	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2011, EN 60079-1: 2007 and EN 60079-31: 2009 is documented in Test Report No. GB/BAS/ExTR12.0151/00.
Baseefa12ATEX0121X Issue 1	13 June 2022	To replace the current Schedule Drawings and assess the equipment against the requirements of EN IEC 60079-0: 2018, EN 60079-1: 2014 and EN 60079-31: 2014. See SGS Baseefa Certification Report GB/BAS/ExTR22.0075/00. This issue of the certificate incorporates the Prime into one certificate. Project Number: 22/0134
Baseefa12ATEX0121X Issue 2	11 April 2023	This new issue was raised in order to record a change of address of the manufacturer. A technical review of the certificate was not undertaken and a report was not prepared.
For drawings applicable to each issue, see original of that issue.		