



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 12.0081X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2022-06-14)
Date of Issue:	2023-04-17		Issue 2 (2019-07-23)
			Issue 1 (2014-10-15)
			Issue 0 (2012-06-27)
Applicant:	Delta Mobrey Limited Hudson House Albany Park Surrey Camberley GU16 7PL United Kingdom		
Equipment:	Sentry Series Pressure & Temperature switches		
Optional accessory:			
Type of Protection:	Flameproof & Dust Protection by Enclosure		
Marking:	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 Gb (-60°C ≤ Ta ≤ +80°C)		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

17/4/2023

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





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 12.0081X**

Page 2 of 4

Date of issue: 2023-04-17

Issue No: 4

Manufacturer: **Delta Mobrey Limited**
Hudson House
Albany Park
Surrey
Camberley GU16 7PL
United Kingdom

Manufacturing locations: **Delta Mobrey Limited**
Hudson House
Albany Park
Surrey
Camberley GU16 7PL
United Kingdom

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR12.0151/00](#)

[GB/BAS/ExTR22.0075/00](#)

[GB/BAS/ExTR23.0063/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0033/11](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 12.0081X**

Page 3 of 4

Date of issue: 2023-04-17

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 12.0081X**

Page 4 of 4

Date of issue: 2023-04-17

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 4.1

This new issue was raised in order to record a change of the address of the manufacturer and the manufacturing locations. A technical review of the certificate was not undertaken.

ExTR: GB/BAS/ExTR23.0063/00	File Reference: 22/0706
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