



# 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](http://www.iecex.com)

Certificate No.: **IECEX ITS 04.0006X**

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Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2015-04-21)

Issue 2 (2014-08-15)

Issue 1 (2007-11-13)

Issue 0 (2004-03-15)

Date of Issue: 2019-09-19

Applicant: **Delta Mobrey Ltd**  
Riverside Business Park  
Dogflud Way  
Farnham  
GU9 7SS  
**United Kingdom**

Equipment: **Flameproof switch**

Optional accessory: Pressure / Temperature sensors

Type of Protection: **Flameproof**

Marking: Ex db IIC T4 (Tamb -60°C to +80°C) Gb  
Ex tb III C T135°C (Tamb -60°C to +80°C) Db IP66  
Ex db IIC T6 (Tamb -60°C to +40°C) Gb  
Ex tb III C T85°C (Tamb -60°C to +40°C) Db IP66  
IECEX ITS 04.0006X

Approved for issue on behalf of the IECEX  
Certification Body:

**P Moss**

Position:

**Certification Officer**

Signature:  
(for printed version)

Date:

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road  
Leatherhead  
Surrey, KT22 7SA  
United Kingdom



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Manufacturer: **Delta Mobrey Ltd**  
Riverside Business Park  
Dogflud Way  
Farnham  
GU9 7SS  
**United Kingdom**

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 60079-1:2014-06** 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 Report:

[GB/ITS/ExTR14.0039/02](#)

Quality Assessment Report:

[GB/BAS/QAR06.0033/09](#)

**IECEX ATR:**  
G104018768  
QAR

**File reference:**  
GB/ITS/ExTR 14.0039/02  
GB/BAS/QAR 06.0033/08



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

A Series 200 Pressure Switch comprising an enclosure, with threaded cover, manufactured in cast aluminium or cast iron. The cover is fitted with an integral locking arrangement. The interior of the enclosure is fitted with up to two microswitches rated at up to 10A, 440V ac with associated switch assembly and terminal block. The switch assembly is mechanically linked to an externally mounted pressure sensing actuator by means of a stainless steel operating rod which passes through a stainless steel bushing screwed into the base of the housing and secured by a lock nut. Cable entry holes are provided as specified on the certified drawings for the accommodation of suitably certified flameproof cable entry devices, with or without the interposition of a suitably certified flameproof thread adapter. Unused entries are to be fitted with suitably certified flameproof stopping plugs.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Special condition for safe use: The apparatus has a specified flamepath gap, between the operating rod and the bushing, which is less than the maximum permitted by IEC 60079-1. The user shall ensure that, in service, the diametral gap of this flamepath does not exceed 0.1mm. The maximum ambient temperature is +80°C and therefore cable may exceed above the maximum ambient temperature. Cable suitable for high temperatures should be selected.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**



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Issue 1: To permit the following changes to the flameproof switch:

- a) 1/50025 Rev B up-issued to Rev C to allow terminal blocks of equal or lesser dimensions and/or ratings.
- b) 14606 Rev C up-issued to Rev F to allow terminal blocks of equal or lesser dimensions and/or rating, to allow a change in tolerance and dimension of the push rod and to include details of an additional KOSHA label.
- c) 14623 Rev A up-issued to Rev B to allow terminal blocks of equal or lesser dimensions and/or ratings.
- d) DS\_20322 Rev A is an additional drawing showing the location of additional thread and TAG labels.

The above changes do not impair the safety of the apparatus.

Amended drawings:

Drawing	Rev	Date	Title
1/50025	C	05.05.2005	Basic Arrangements – Series 230
14606	F	21.08.2007	Enclosure Assy – Classic
DS_20322	A	23.08.2007	Additional thread label and TAG Flameproof Switch
14623	B	28.04.2005	Variation of Type 131 With Additional Dust Protection

Issue 2: This certificate has been issued to update the 200 series pressure switch to the latest standards as indicated in page 2 of this certificate. The equipment has also been assessed against dust ignition protection by enclosure type of protection "tb".

Amended drawings:

Drawing	Rev	Date	Title
14610	E	22/05/2014	CERTIFICATION LABEL FOR CLASSIC -ATEX
14754	C	23/05/2014	LABEL NAME - CLASSIC - STAMPING DETAILS FOR IECEx
14606	H	22/05/2014	ENCLOSURE ASSEMBLY - CLASSIC

Issue 3: This certificate has been issued to update the change of manufacturer address.

Formerly held by: DELTA CONTROLS Ltd West Molesey, Surrey KT8 2UZ Are now deemed to be held by: DELTA CONTROLS Ltd Dogflud Way, Farnham GU9 7SS Amended drawings:

Drawing	Rev	Date	Title
10910	C	28/10/2014	Connection Diagram For 12k Resistors
14606	I	19/11/2014	Enclosure Assy – Classic
14608	B	19/11/2014	Variation – Additional M16 Tapping & Stopping Plug
14610	F	19/10/2014	Certification Label For Classic – ATEX
14611	D	28/10/2014	Enclosure Assy – Line Fault Monitoring
14620	B	19/10/2014	Alternative Mechanism Assy – Classic
14621	C	28/10/2014	Label Details – Classic
14622	B	19/10/2014	Basic Arrangement – 740/760
14623	C	17/04/2015	Variation Of Type 131 With Additional Dust Protection
14744	B	19/10/2014	Variation To Classic ATEX Model 304 – 400 Bar Static
14754	D	19/10/2014	Label Name – Sovereign Stamping Details For IECEx

Issue 4: This certificate has been issued to update the company name from Delta Controls Ltd to Delta Mobrey Ltd; and to update to the latest standards. See Annex for drawings.



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**Annex:**

[Annex to IECEx ITS 04.0006X Issue 4.pdf](#)



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	IECEX ITS 04.0006X	<b>Issue No. 4</b>
<b>Annex No. 1</b>		

<b>Technical Documents</b>			
Title:	Drawing No.:	Rev. Level:	Date:
Connection Diagram For 12k Resistors	10910	C	28/10/2014
Enclosure Assy – Classic	14606	I	19/11/2014
Variation – Additional M16 Tapping & Stopping Plug	14608	B	19/11/2014
*Certification Label For Classic – ATEX	14610	H	19/10/2014
*Enclosure Assy – Line Fault Monitoring	14611	E	11/07/2019
Alternative Mechanism Assy – Classic	14620	B	19/10/2014
*Label Details – Classic	14621	D	11/07/2019
Basic Arrangement – 740/760	14622	B	19/10/2014
Variation Of Type 131 With Additional Dust Protection	14623	C	17/04/2015
Variation To Classic ATEX Model 304 – 400 Bar Static	14744	B	19/10/2014
*Label Name – Sovereign Stamping Details For IECEx	14754	F	10/07/2019

*Note: An \* is included before the title of documents that are new or revised.*

Certificate issued by:

**intertek**

Total Quality. Assured.

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