



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx ITS 11.0008

Issue No: 2

Certificate history:

Issue No. 2 (2018-05-08)

Status: **Current**

Issue No. 1 (2016-04-15)

Date of Issue: **2018-05-08**

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Issue No. 0 (2011-05-11)

Applicant: **Daniamant Ltd**
Unit 3
The Admiral Park
Portsmouth
PO3 5PR
United Kingdom

Equipment: **L6-Ex and L6A-Ex**
Optional accessory:

Type of Protection: **Intrinsic Safety "i"**

Marking:
IECEX ITS 11.0008
Ex ia IIB T3 Gb
-35°C ≤ Ta ≤ +65°C

*Approved for issue on behalf of the IECEx
Certification Body:*

A M Smart

Position:

Certification Officer

*Signature:
(for printed version)*

Date:

2018-05-08

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 the [Official IECEx Website](#).

Certificate issued by:

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





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Manufacturer: **Daniamant Ltd**
Unit 3
The Admiral Park
Portsmouth
PO3 5PR
United Kingdom

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical 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/ExTR11.0007/00](#)

[GB/ITS/ExTR11.0007/01](#)

[GB/ITS/ExTR11.0007/02](#)

Quality Assessment Report:

[GB/ITS/QAR08.0007/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The L6-Ex and L6A-Ex are illuminating life jacket safety devices designed for use when the wearer enters the water. The difference between the two models is the method in which the unit is activated, the L6-Ex utilises a pull ring whilst the L6A-Ex has a water activated switch.

The equipment comprises of a printed circuit board, a lithium battery, a light emitting diode and in the case of the L6-Ex a reed switch. The enclosure for the device is comprised of two plastic parts. The electronics within the housing is encapsulated in epoxy resin. The battery used in the device is not replaceable and non rechargeable.

Intrinsic safety is maintained by the limitation of current, power, inductance and capacitance and the use of specified batteries.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 0:

Original Issue.

Issue 1:

Re-assessments of the L6-Ex and L6A-Ex Light to the requirements of the latest standards IEC 60079-0: 2011 and IEC 60079-11:2011

Equipment level protection "Ga" changed to "Gb" and Group IIC changed to Group IIB

Changes to appropriate documents to reflect the above change.

Issue 2:

Revision of certified drawings to correct mistakes introduced under GB/ITS/ExTR11.0007/01.

Annex:

[Annex - Cert.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 09.0022X	Issue No. 4
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
L161 LIFE BUOY LIGHT (ATEX)	62-002A	4	10/12/2009
L163 LIFE BUOY LIGHT USCG + ATEX	62-004A	5	10/12/2009
L161-L163 MAIN PCB	62-117D	1	13/05/2009
L161-L163 PCB ARTWORK	62-117N	4	18/06/2009
*L161 PCB PARTS LIST	62-118L	4	30/04/2018
L161 SCHEMATIC	62-118C	2	15/12/2009
L161 PCB ASSEMBLY	62-118D	2	15/12/2009
L163 SCHEMATIC	62-120C	3	15/12/2009
L163 PCB ASSEMBLY	62-120D	3	15/12/2009
*L163 PCB PARTS LIST	62-120L	4	30/04/2018
*L161 LABEL	62-124D	8	26/01/2018
*L163 LABEL	62-126D	8	26/01/2018