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 ITS 11.0008**

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Certificate history:
Issue 2 (2018-05-08)
Issue 1 (2016-04-15)
Issue 0 (2011-05-11)

Status: **Current**

Issue No: 3

Date of Issue: 2021-04-28

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: **Mark Newman**

Position: **Certificate 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 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: **Daniamant Ltd**
Unit 3
The Admiral Park
Portsmouth
PO3 5PR
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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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/ITS/ExTR11.0007/00 GB/ITS/ExTR11.0007/01 GB/ITS/ExTR11.0007/02
GB/ITS/ExTR11.0007/03

Quality Assessment Report:

GB/ITS/QAR08.0007/06

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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 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.

Issue 3:
Assessment to IEC 60079-0:2017 Ed. 7
Minor ammendment / clarification to IEC 60079-11:2011 Ed. 6 assessment.

Annex:

Annex for IECEx ITS 11.0008 Issue 3.pdf

Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ITS 11.0008	Issue No. 3
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*L6-Ex & L6A-Ex Label Bottom	79-354D	7	2021-04-08
L6A-Ex LIFEJACKET LIGHT	79-350A	02	02/03/2011
L6-Ex PCB ASSEMBLY	79-311B	02	13/09/2011
L6-Ex & L6A-Ex CIRCUIT DIAGRAM	79-311C	03	06/05/2011
L6-Ex PCB ITEMS LIST	79-311L	06	24/08/2011
L6-Ex PCB	79-312D	01	11/11/2010
L6A-Ex FAMILY TREE	79-350F	02	03/03/2011
L6A-Ex PCB ASSEMBLY	79-351B	02	13/09/2011
L6-Ex LIFEJACKET LIGHT	79-310A	03	24/08/2011
L6A-Ex PCB ITEMS LIST	79-351L	06	24/08/2011
L6-Ex FAMILY TREE	79-310F	02	02/03/2011
L6-Ex PCB Gerber Files	79-312N	06	13/09/2011
EPOXY RESIN PX439XS	99-151-XXXD	01	02/03/2011

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