



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CML 21.0150U** Page 1 of 4 [Certificate history:](#)
Issue 0 (2022-05-26)

Status: **Current** Issue No: 1

Date of Issue: 2023-07-28

Applicant: **IDEC CORPORATION**
2-6-64 Nishimiyahara, Yodogawa-ku, Osaka 532-0004
Japan

Ex Component: Lens units Type EU2B-U***

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety Ex "e", Dust protection by enclosure Ex "t"**

Marking: Ex eb IIC Gb
Ex tb IIIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

L A Brisk

Position:

Assistant Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

28 Jul 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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX CML 21.0150U**

Page 2 of 4

Date of issue: 2023-07-28

Issue No: 1

Manufacturer: **IDEC CORPORATION**
2-6-64 Nishimiyahara, Yodogawa-ku, Osaka 532-0004
Japan

Manufacturing locations: **IDEC CORPORATION** **IDEC Corporation, Amagasaki Plant**
2-6-64 Nishimiyahara, Yodogawa-ku, Osaka 532-0004 5-8-10, Shioe, Amagasaki-shi
Osaka 532-0004 Hyogo JP-661-0976
Japan **Japan**

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

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/CML/ExTR22.0111/00](#)

[GB/CML/ExTR23.0117/00](#)

Quality Assessment Report:

[NO/NEM/QAR10.0001/17](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX CML 21.0150U**

Page 3 of 4

Date of issue: 2023-07-28

Issue No: 1

Ex Component(s) covered by this certificate is described below:

The lens units type EU2B-U*** is predominantly made of polyamide are intended for installation in lids of enclosures of electrical apparatus in the type of protection Increased Safety "eb" and Protection by Enclosure "tb". Accessory is a lock nut out of POM or Aluminium.

See Annex for full description.

SCHEDULE OF LIMITATIONS:

See Annex for schedule of limitations.



IECEX Certificate of Conformity

Certificate No.: **IECEX CML 21.0150U**

Page 4 of 4

Date of issue: 2023-07-28

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduces the following changes:

1. To recognise the addition of another manufacturing location.
2. To recognize and correct a type error in drawing A39878.

Annex:

[Certificate Annex IECEx CML 21.0150U Issue 1_1.pdf](#)

Annexe to: IECEx CML 21.0150U, Issue 1
Applicant: IDEC Corporation
Apparatus: Lens units Type EU2B-U***

Description

The lens units type EU2B-U*** is predominantly made of polyamide are intended for installation in lids of enclosures of electrical apparatus in the type of protection Increased Safety "eb" and Protection by Enclosure "tb". Accessory is a lock nut out of POM or Aluminium.

Technical Data

Approved Types	
Lens Unit	Type EU2B-U L10 *
Ambient temperature	-20°C to +50°C
Service temperature range	-20°C to +80°C
Ingress protection	IP65 according to EN 60529
Suitable for equipment of group II with a degree of mechanical hazard	high

Nomenclature:

Lens unit for pilot light

EU2B-U	L1 0	**
1	2	3

- 1: Type
- 2: Type
- 3: Lens colour

Conditions of Manufacture

None.

Specific Conditions of Use

- i. The type of protection IP65 is guaranteed only by compliance with the manufacturer's instructions and proper installation in the enclosure.
- ii. In order to avoid electrostatic charges the operators and lens units have to be mounted on a metallic enclosure or conductive earthed frames.
- iii. Installation of electrical components requires a further assessment by an ExCB.



Certificate Annex IECEx
 Version: 9.0 Approval: Approved

Eurofins E&E CML Limited
 Newport Business Park
 New Port Road
 Ellesmere Port
 CH65 4LZ

T +44 (0) 151 559 1160
 E info@cmlex.com

www.cmlex.com

Company Reg No. 8554022 VAT No. GB163023642