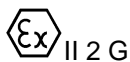




## EU Type Examination Certificate CML 21ATEX11190U Issue 1

- 1 Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Lamp unit type EU2B-XL\*\***
- 3 Manufacturer **IDEC Corporation**
- 4 Address **2-6-64 Nishimiyahara,  
Yodogawa-ku,  
Osaka, 532-0004  
Japan** **Amagasaki Plant  
5-8-10 Shioe,  
Amagasaki-shi  
Hyogo JP-661-0976  
Japan**
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
  
EN IEC 60079-0:2018                      EN 60079-1:2014                      EN IEC 60079-7:2015+A1:2018

- 10 The equipment shall be marked with the following:



Ex db eb IIC Gb

Ts = -20°C to +80°C



This certificate shall only be copied  
in its entirety and without change

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1 of 3

S. Roumbedakis  
Technical Manager



**CML 21ATEX11190U**  
**Issue 1**

## 11 Description

The Lamp unit type EU2B-XL\*\* and Lens unit type EU2B-UL10\* (see CML 21ATEX31294U / IECEx CML 21.0150) when assembled together are served as Pilot light type EU2B-YL. The assembly shall be mounted inside an enclosure to either meet the increased safety or flameproof requirement.

The pilot light signal lamp is comprising of a non-metallic body with screw terminals at the bottom and inner lens together with external lens.

Nomenclature:

Lamp unit for pilot light EU2B-XL\*\*D\*

EU2B-XL	*	*	D	*
1	2	3	4	5

1: Type	2: Operating voltage	3: Terminal configuration	4: Part of the type	5: LED colour
	66 = AC/DC 6 V 11 = AC/DC 12 V 22 = AC/DC 24 V 16 = AC 100/110 V (for Transformer) 116 = AC 115 V (for Transformer) 110 = AC/DC 100 V / 120 V 126 = AC 120 V (for Transformer) 26 = AC 200/220 V (for Transformer) 236 = AC 230 V (for Transformer) 246 = AC 240 V (for Transformer) 386 = AC 380 V (for Transformer) 46 = AC 400/440 V (for Transformer) 486 = AC 480 V (for Transformer) 200 = AC 200/220V 230 = AC 230/240V	C = screw terminal F = screw terminal (IP20)		PW = pure white

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	25 May 2022	R14648A/00	Issue of Prime Certification
1	12 Jul 2023	R16470A/00	Introduction of Variation 1

Note: Drawings that describe the equipment or component are listed in the Annex.



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### **13 Conditions of Manufacture**

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Lamp unit: the routine test required in IEC 60079-1, section 16.1.1, is omitted, because the Lamp unit type EU2B-XL has a volume of less than 10 cm<sup>3</sup> (Lamp unit: V = 8,6 cm<sup>3</sup>), and according to section 16.2, enclosures with a volume of less than 10 cm<sup>3</sup> are exempt.
- ii. A routine test shall be performed in accordance with Clause 6.1 on all manufactured samples. The test shall be performed at a voltage of 2U+1000V, or 1500V, whichever is higher. The voltage shall be held for at least 60 seconds with no breakdown.

### **14 Schedule of Limitations**

The following conditions relate to safe installation and/or use of the equipment.

- i. The Lamp unit EU2B-XL\*\* shall be mounted in an enclosure that meets the requirements of an approved type of protection as specified in IEC 60079-0, section 1 and have a minimum rating of IP54.
- ii. When installing the Lamp unit EU2B-XL\*\* in an enclosure designed to Increased Safety "e" type of protection in compliance with IEC 60079-7, the clearance and creepage distances specified in sections 4.4 and 4.5, and in table 1 must be maintained.
- iii. Installation of electrical components requires a further assessment by an ExCB.
- iv. Repair of the flameproof joints is not permitted.
- v. The service temperature of the device is -20°C to +80°C.

## Certificate Annex

**Certificate Number** CML 21ATEX11190U  
**Equipment** Lamp unit type EU2B-XL\*\*  
**Manufacturer** IDEC Corporation



The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
A39877	1 of 1	-	25 May 2022	PILOT LIGHT LAMP UNIT Construction
A39877-1	1 of 1	-	25 May 2022	PILOT LIGHT LAMP UNIT Construction
A39877-2	1 of 1	-	25 May 2022	PILOT LIGHT LAMP UNIT Construction
A49435	1 of 1	D	25 May 2022	PILOT LIGHT LAMP UNIT Marking
A49436	1 of 1	E	25 May 2022	PILOT LIGHT Marking
A39476	1 of 1	-	25 May 2022	EC2B-****B.. Creepage distances and Clearances
A39476-1	1 of 1	-	25 May 2022	EC2B-****B.. Creepage distances and Clearances
A39476-8	1 of 1	-	25 May 2022	EC2B-****B.. Creepage distances and Clearances
A39511	1 of 1	-	25 May 2022	EC2B-****B.. and EU2B-* Routine test specification
A39511-2	1 of 1	C	25 May 2022	EC2B-****B.. and EU2B-* Routine test specification
A38122	1 of 1	-	25 May 2022	PILOT LIGHT Circuit

### Issue 1

No documents introduced.