[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Presafe 15 ATEX 6163X** **Issue 2**

[4] Product: **Buzzer**

[5] Manufacturer: **IDEC Corporation**

[6] Address: **2-6-64 Nishimiyahara, Yodogawa-Ku, Osaka 532-0004, Japan**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 and EN 60079-11:2012

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

II 1 G Ex ia IIC T6 Ga -20°C ≤ Ta ≤ +60°C

Date of issue:
2021-03-26

NORSK AKKREDITERING
PROD 021

Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** Presafe 15 ATEX 6163X Issue 2

[15] **Description of Product**
The intrinsically safe buzzers, models/types EB3P-abcdeN are piezo electric devices intended to be used in combination with the EB3L lamp barrier or equipment that has equivalent intrinsically safe characteristics and ratings.

Type designation
EB3P – abcdeN

Position	a (Kind)	b (Construction)	c (Fitting size)	d (Rated voltage)	e (Operation)
Options	- Z: Buzzer - (None)	- U: U series - (None)	- N: Ø30 - (None)	- 12: 12V - (None)	- F: Intermittent sound - C: Continuous sound - (None)

Intrinsic safety parameters
Ui: 13.2V, Ii: 14.2mA, Pi: 46.9mW, Ci: 260nF, Li: 80mH

Degrees of protection (IP Code)
(Built-in device)

Ambient temperature:
-20°C to +60°C

Routine tests
None

[16] **Report No**.: PRJN-231952-2021-PA-NOR

[17] **Specific Conditions of Use**
1. The buzzer must be mounted partly or completely within an enclosure according to EN60079-11.
2. The buzzer enclosure cap is made of aluminium, ignition hazards due to impact and friction need to be avoided according to EN60079-0 clause 8.3

Notes for manufacture, installation and operation:
- The buzzer must be connected to intrinsically safe parameters which are specified in the certificate

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
A45752	EB3P-ZN marking	F	2018-12-11
A49031	EB3P-ZN out-side view	C	2018-12-14
A49032	EB3P-Z buzzer unit	-	2003-09-19

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue (based on certificate Nemko 03 ATEX 1628X)	2015-04-30	D0001680-00
1	Update due to the changes: Minor corrections of marking and typo error. No technical changes. The standard EN 60079-26: 2015 is not applicable, The investigated buzzer has single standardised type of protection 'ia', therefore application of this standard is not needed.	2018-12-18	D0001680-01
2	Update to EN IEC 60079-0:2018.	2021-03-26	PRJN-231952-2021-PA-NOR

END OF CERTIFICATE