



[1] **EU – TYPE EXAMINATION CERTIFICATE**

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 19 ATEX 0059**

Issue: **1**

[4] Product: **The bulkhead light fitting**

Type: **0403.24/LED**

[5] Manufacturer: **TEPEX Ltd.**

[6] Product: **Medarska 69, 10090 Zagreb, Croatia**

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

[8] FIDITAS Ltd., Notified Body number 2829 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 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 of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 19CR059**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN IEC 60079-7:2015 / A1:2018

EN 60079-18:2015 / A1:2017

EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

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

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

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



II 2G Ex eb mb IIC T6 Gb
II 2D Ex tb IIIC T80°C Db

Our ref.: 19.CRT.027

Date: 01.04.2020.



FIDITAS Ltd.
Certification department

Approved:


Marino Kelava, M.E.Eng.



[13] SCHEDULE

[14] EU - TYPE EXAMINATION CERTIFICATE No.: **FIDI 19 ATEX 0059**

[15] Description of product

Bulkhead light fitting enclosure type 0403.24/LED has oval shape and is made of Al alloy. LED module manufactured by TEPEX, type: LEDEX 01 (FIDI 19 ATEX 0020U; II 2G Ex mb IIC Gb) is built inside of the enclosure and used as a light source. Fuse with breaking capacity of 1500 A is integrated inside the module. Electrical connection is assured using terminals manufactured by Connectwell industries Pvt. Ltd., type: CMC 1-2 (SIRA 16 ATEX 3170U; II 2G Ex eb IIC Gb). The enclosure is closed by glass cover. Silicone gasket is used for sealing between enclosure and glass cover.

For cable entry separately certified cable glands in type of protection increased safety „eb“ and protection by enclosure „tb“ shall be used.

Technical data:

Rated voltage: 230 Vac
 Power and light source type: LED 17 W
 Ambient temperature: -30°C to +50°C
 Mechanical protection: IP 66

[16] Confidential Report No. FIDI 19CR059

[16.1] Routine testing

The manufacturer shall carry out dielectric strength test according to clause 7.1 of the standard EN IEC 60079-7.

[17] Specific Conditions of Use

None

[18] Essential Health and Safety Requirements

Covered by the conformity with harmonized standards listed under item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of bulkhead light fitting type 0403.24/LED	-	-	30.03.2020.
Certification drawing of bulkhead light fitting type 0403.24/LED	T48.16.00.00	-	30.03.2020.
Description of certification drawing bulkhead light fitting type 0403.24/LED	-	-	30.03.2020.
Instruction for use of bulkhead light fitting type 0403.24/LED	TEPEX.RS.083	0	30.03.2020.