



[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 0032**

Issue: **1**

[4] Product: **Control unit**

Type: **MDS - L/.**

[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 19CR032**

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

**EN IEC 60079-0:2018**

**EN 60079-1:2014**

**EN IEC 60079-7:2015 / A1:2018**

**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 db eb IIC T6 Gb or II 2G Ex db IIC T6 Gb**  
**II 2D Ex tb IIIC T85°C Db**

Our ref.: 19.CRT.148

Date: 02.04.2020.



**Fiditas d.o.o.**  
**ZAGREB**

**FIDITAS Ltd.**  
**Certification department**  
Approved:

Marino Kelava, M.E.Eng.





[13]

**SCHEDULE**

[14]

**EU - TYPE EXAMINATION CERTIFICATE No.: FIDI 19 ATEX 0032**

[15] **Description of product**

MDS-L Control Unit /. has single chamber in the type of protection flameproof enclosure with motion sensor mounted inside. The control unit enclosure is closed with threaded covers, one of which has a cemented glass window.

The control unit is executed with:

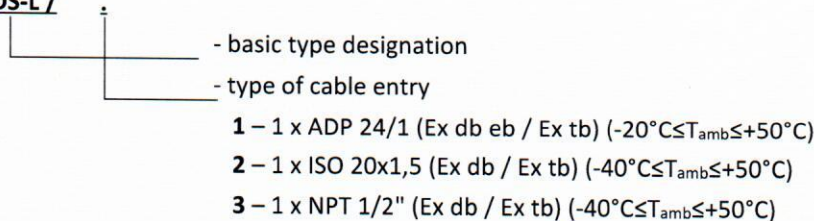
- direct cable entry via the appropriate cable gland Ex db / Ex tb, or
- adapter in types of protection flameproof enclosure, increased safety and protection by enclosure (manufacturer TEPEX, type: ADP, FIDI 19 ATEX 0014X; II 2G Ex db eb IIC T6 Gb; II 2D Ex tb IIIC T85 ° C Db).

The adapter has specific conditions of use:

- The adapter was tested with lower impact energy and according to EN IEC 60079-0 shall be installed in areas with a lower risk of impact.
- Cable gland of the adapter was tested with lower tensile force according to A.3.1.1. of standard EN IEC 60079-0 and is intended for fixed installation with non-armoured cables, therefore the user shall provide additional clamping of the cable outside the cable gland.

**Marking:**

**MDS-L /**



**Technical data:**

Rated voltage: 220 - 240 Vac  
Rated power: max. 5 W  
Ambient temperature: -20 °C to +50 °C (version with adapter ADP)  
-40 °C to +50 °C (version with direct cable entry)  
Mechanical protection: IP 66

**Warning markings:**

"DO NOT OPEN WHEN ENERGIZED"  
"SEE INSTALLATION INSTRUCTION DOCUMENT"  
"AFTER DE-ENERGIZING, DELAY 5 MINUTES BEFORE OPENING"





**[16] Confidential Report No.** FIDI 19CR032

**[16.1] Routine testing**

None

**[17] Specific Conditions of Use**

None

**Essential Health and Safety Requirements**

**[18]**

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

**[19] Drawings and Documents**

Title:	Drawing No.:	Rev. level:	Date:
Technical description	-	-	02.04.2020.
Certification drawings	T32.00.00.00-1 T32.00.00.00-2	- -	02.04.2020.
Description of certification drawings T32.00.00.00	-	-	02.04.2020.
Instruction for use	TEPEX.RS.118	1	02.04.2020.