

[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: **EXA 14 ATEX 0017X**Issue: **2**[4] Product: **Alarm sounder and Alarm light**Type: **ZS-80Exi
LB-80Exi**[5] Manufacturer: **MAJUR d.o.o.**[6] Address: **Fallerovo šetalište 20, 10000 Zagreb, Croatia**

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

[8] Ex-Agencija, Notified Body number 2465 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.: **EXA 18CR037**[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013 **EN 60079-11:2012**

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.

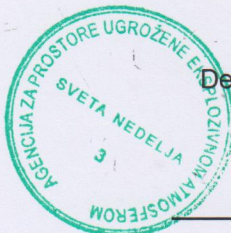
[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

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

**II 2G Ex ib IIC T5 Gb****II 2D Ex ib IIIC T135°C Db** (only for LB-80Exi)

Date: 28.06.2018.

PB.18.TC.769/RS

**Ex-Agencija**Department of equipment certification
Approved by:
Stipo Đerek, dipl.ing.el.

[13]

SCHEDULE[14] **EU - TYPE EXAMINATION CERTIFICATE No.: EXA 14 ATEX 0017X**[15] **Description of product**

Alarm sounder type **ZS-80Exi** and alarm light type **LB-80Exi** are intrinsically safe devices without their own power source intended for sound and light signalization. They are designed for connection to intrinsically safe circuit of certified associated apparatus SSU-24ExEi-ZS (EXA 14ATEX0003), maximum one device per channel.

Types:

ZS-80Exi -alarm sounder (II 2G Ex ib IIC T5 Gb)**LB-80Exi** -alarm light (II 2G Ex ib IIC T5 Gb ili II 2D Ex ib IIC T135°C Db)**Intrinsically safe circuits:**POWER SUPPLY, leads (1+) - (2+):.....Power supply nominal voltage $U_n = 13 \text{ V DC}$

Maximum internal capacitance

 $C_i = 250 \text{ nF}$

Maximum internal inductance

 L_i negligible $T_{amb} = -20^\circ\text{C}$ to $+65^\circ\text{C}$ [16] **Confidential Report No. EXA 18CR037**[16.1] **Routine testing**

None

[17] **Specific Conditions of Use**

Appropriate method of installation, maintenance and operation, should prevent accumulation of static charge on the device.

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

Covered by the standards listed at item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev.level:	Date:
Description and type of protection	T 0800/1	01/00	13.06.2018
Sketch drawing	T 0802/1-SS	01	01.04.2013
Mechanical parts specification	T 0803/1-SM	01	01.04.2013
Schematics	T 0804/1-ES	01	01.04.2013
Electrical components specification	T 0805/1-SE	01	01.04.2013
Layout	T 0806/1-TP	01	01.04.2013
Assembly layout	T 0807/1-MN	01	01.04.2013
Technical data	T 0809/1-TP	01	01.04.2013
Instructions for fire alarm system 800Exi	T-0709/2 -UK	00/00	26.06.2018.