



"MINPROEKT" EAD

CERTIFICATE



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

[2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres –
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **MP 20 ATEX 0251 X**

Issue 2

[4] Product (Equipment or protective system): **Push buttons with/without self-locking
(light indicators) type PP-xx/x-x**

[5] Manufacturer: **ATRA-EXPORT OOD**

[6] Address: 242 "Vasil Levski" str.
Plovdiv 4003, Bulgaria

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

[8] Minproekt EAD, notified body No.1877 in accordance with Article 17 of the 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 the **Confidential report No. 01/11.02.2020**

[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 60079-31:2014

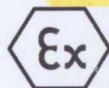
EN IEC 60079-7:2015/A1:2018

EN 60079-18:2015/A1:2017

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with 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 2 G Ex db eb mb IIC T6 Gb

II 2 D Ex mb tb IIIC T80 °C Db IP65

Sofia, 2025-02-18

Executive Director:
/dipl. eng. K. Hristov/



This Certificate is valid until 18.02.2030

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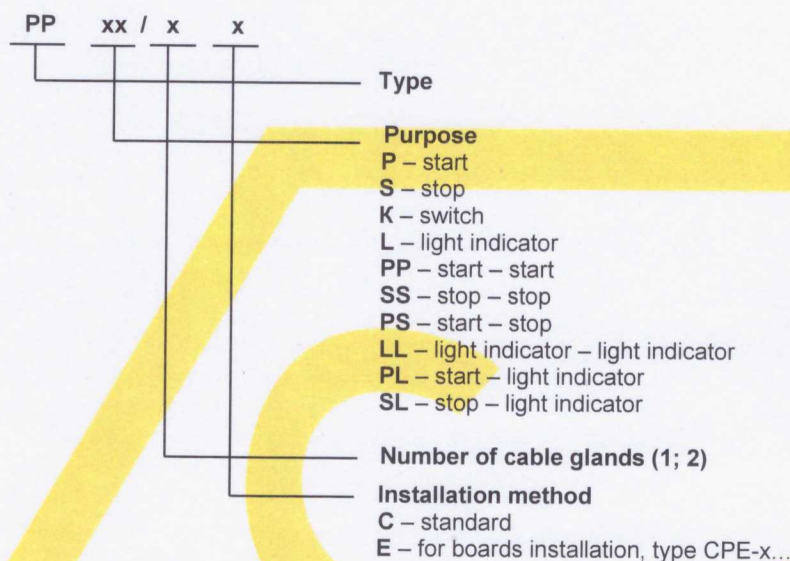
[13] **Schedule**[14] **EU-Type Examination Certificate № MP 20 ATEX 0251 X Issue 2**[15] **Description of product**

15.1. Technical description

"Push buttons with/without self-locking (light indicators) type PP-xx/x-x" consist of a cover and a housing made of shockproof and antistatic plastic (with surface resistance $<10^9 \Omega$). It is available in three variants:

1. With contact element EKV;
2. With contact element EKV and light indicators;
3. Only light indicators.

15.1.1. Type designation



15.1.2. Technical data

contact elements rated voltage	400V AC
light indicators rated voltage	20+30V AC/ DC; 170+250V AC 50 Hz
contact elements rated current	6A
Operating temperature range	-20 °C ... +60 °C
Housing material	shockproof and antistatic plastic (surface resistance $<10^9 \Omega$)
Enclosure IP code	IP65
Ground terminal	1 1 piece internal
Terminals	2,5mm ² (for contact element)
Cable glands	1 or 2 pcs. – M20
light indicators, type LED: terminals	2x2,5mm ²
light indicators, type LED: colour	red, green

Sofia, 2025-02-18

Executive Director:
/dipl. eng. K. Hristov /

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Division "Scientific and Research Activity"

Schedule**EU-Type Examination Certificate № MP 20 ATEX 0251 X Issue 2****[15] Description of product**

15.2. Routine tests

None

15.3. Reason for this Issue

Prolongation of certificate validity.

[16] Test report No. 01/11.02.2020**[17] Specific conditions of use:**17.1. "Push buttons with/without self-locking (light indicators) type PP-xx/x-x" are intended for an ambient temperature range of $-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$, different from the standard.

17.2. For mounting (installation) procedure refer to the manufacturer's instructions for guidance.

[18] Essential health and safety requirements:

Met by compliance with the requirements mentioned in item [9].

[19] List of the technical record parts:

19.1. Technical description of "Push buttons with/without self-locking (light indicators) type PP-xx/x-x"

19.2. Installation and operating instructions of "Push buttons with/without self-locking (light indicators, type PP-xx/x-x".

19.3. Test reports: Test report № 15 / 18.04.2018 of TC "Minproekt" EAD

19.4. List of the harmonized standards: (in Technical description)

19.5. Conceptual design and manufacturing drawings and schemes, consisting of:

Drawings №№ 527.01.00-02- 2 sheets; 527.01.00-02.1 – 2 sheets; 527.01.00-04 – 2 sheets;
 527.01.00-04.1 – 2 sheets; 527.01.00-07 – 2 sheets; 527.01.00-07.1 – 2 sheets; 527.01.00-00.1 –
 2 sheets; 527.01.00 – 2 sheets; 527.00.00-01 – 2 sheets; 527.01.00-01.1 – 2 sheets; 527.01.00-
 03 – 2 sheets; 527.01.00-03.1 – 2 sheets; 527.01.00-06 – 2 sheets; 527.01.00-06.1 – 2 sheets;
 527.01.00-05 – 2 sheets; 527.01.00-05.1 – 2 sheets; 527.01.00-08 – 2 sheets; 527.01.00-08.1 – 2
 sheets; 527.01.00-09 – 2 sheets; 527.01.00-09.1 – 2 sheets; 527.02.00-09 – 2 sheets; 527.02.00-
 06 – 2 sheets; 527.02.00-07 – 2 sheets; 527.02.00-08 – 2 sheets; 527.02.00-08.1 – 2 sheets;
 527.02.00-01 – 2 sheets; 527.02.00-02 – 2 sheets; 527.02.00-05 – 2 sheets; 527.02.00-05.1 – 2
 sheets; 527.02.00 – 2 sheets; 527.02.00-03 – 2 sheets; 527.02.00-03.1 – 2 sheets; 527.02.00-04
 – 2 sheets; 527.02.00-04.1 – 2 sheets; 527.01.01 – 2 sheets; 527.01.02; 527.01.02 – 2 sheets;
 527.05.00; 527.01.05; 527.01.06; 527.01.04; 527.01.09; 527.01.08; 527.01.10; 527.02.01;
 527.01.11 – 2 sheets; 527.01.03; 527.01.03-01; 527.01.03-02; 527.01.03-02; 520.01.01; 527.01.07.

19.6. Technological scheme of production

19.7. Technological instruction for compounding with two component silicone

19.8. Technical data on the filling materials used

19.9. Technical data for the LEDs used

19.10. Risk analysis and assessment

19.11. Technical description (2022)

Sofia, 2025-02-18

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