



EN



"MINPROEKT" EAD

CERTIFICATE



- [1] **Module B: EU-TYPE-EXAMINATION CERTIFICATE**
(Translation)
- [2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EU (ATEX)
- [3] **Module B EC-type-examination Certificate Number: №: MP 18 ATEX 0145 X**
- [4] **Product (Equipment or protective system): "Button (Knob) PVK x5"**
- [5] **Applicant: JSC „VELAN"**
- [6] **Address: 1 Velanovskaya str., Zelenokumsk, Stavropol Region, 357911 Russia**
- [5] **Manufacturer: JSC „VELAN"**
- [6] **Address: 1 Velanovskaya str., Zelenokumsk, Stavropol Region, 357911 Russia**
- [7] This product (equipment or protective system) and any acceptable variation thereto are specified in details in the schedule to this certificate as well as the documents therein referred to.
- [8] Minproekt EAD, notified body No.1877 in accordance with Article 17 of the Council Directive 2014/34/EU (ATEX) of 26th February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system, intended for use in potentially explosive atmospheres, specified in Annex II of the Directive. The examination and test results are recorded in:

Confidential Test reports № 05/16.02.2015; № 23/31.05.2018

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN 60079-0:2012; EN 60079-7:2015; EN 60079-31:2014.**
- [10] If the sign "X" is placed after the certificate number, it indicates that this equipment or protective system is subject to special conditions for safe use, specified in the schedule to this certificate.
- [11] This EU-type-examination Certificate on Module B relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 2014/34/EU. This certificate does not cover the requirements of the Directive on the forthcoming procedures relating to the production process and the delivery of the product.
- [12] The marking of the equipment or protective system shall include the following:

II 2 G Ex e_b d_b IIC T6 Gb



II 2 D Ex t_b IIIC T85°C IP66 Db -60°C ≤ T_a ≤ +60°C

This certificate does not authorize the manufacturer or his authorized representative to affix the CE mark followed by the identification number of the Notified Body as well as the marketing and / or use. This Certificate is a continuation of the Certificate MP 15 ATEX 0145 X. The Certificate is valid until 18.06.2023, if there is no change of the conditions under which it has been issued.

Sofia, 18.06.2018

Executive Director:
/dipl. eng St. Bosnev/

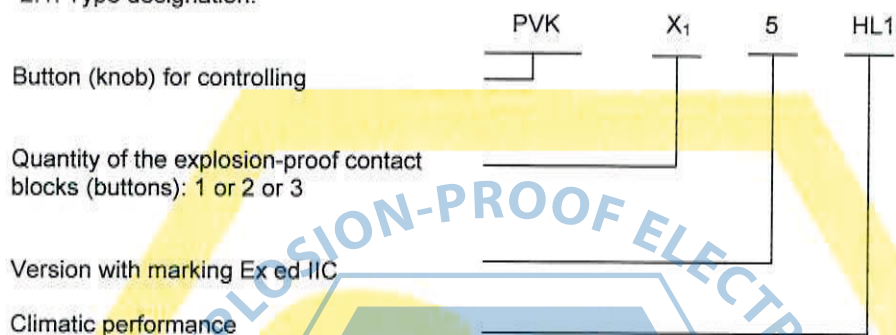


Page 1/3

- [13] Schedule
 [14] Certificate on "Module B: EU-type-examination" №: MP 18 ATEX 0145 X (Translation)
 [15] Characteristics of the type, subject to the examination

1. Technical description
 The buttons series type PVK x5 consist of a housing and a lid made of GPR DMC-20-OPMA, explosion proof contact blocks BVK x.x. – component and cable glands. There are three versions of PVK x5: PVK15, PVK25 and PVK 35. PVK15 is equipped with one contact block and one cable gland; PVK25 and PVK35 are equipped with two and three contact blocks and two cable glands.
2. Technical data of the product.

2.1. Type designation:



2.2. Technical data:

- operating temperature range: $-60^{\circ}\text{C} + 60^{\circ}\text{C}$;
- relative humidity of the environment: to $(98\pm 2)\%$ at a temperature $(35\pm 2)^{\circ}\text{C}$ while condensing moisture;
- operating voltage - max. 380V (AC) and max. 220V (DC);
- rated current – max. 16A;
- cross-section of the feeder conductors at one terminal may be $2 \times 2,5\text{mm}^2$ or $1 \times 4\text{mm}^2$;
- IP code – IP66;

3. Application field
 Button (knob) PVK x5 is designed for a remote control of stationary or mobile equipment in explosive zones according to its explosive marking.

Sofia, 2018-06-18

Executive Director:
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Schedule

Certificate on "Module B: EU-type-examination" №: MP 18 ATEX 0145 X (Translation)

- [16] Test reports No 05/16.02.2015; № 23/31.05.2018
- [17] Special requirements for safety use – Button (knob) PVK x5 is designed for a working temperature range of $-60^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$, different from the standard.
- [18] **Essential requirements**
- 18.1. According to 2014/34/EU (ATEX) and the manufacturer instructions, the product is not allowed for zone 0 and zone 20.
- 18.2. Other essential safety requirements are covered by the standards pointed in [9].
- [19] **List of the technical record parts**
- 19.1. **Operating Instructions**
- 19.2. **Conceptual design and manufacturing drawings and schemes, consisting of:**
Specifications № ИМШБ.642251.008-04 – 3 sheets; Drawing № ИМШБ. 642251.008-04 СБ;
specifications № ИМШБ. 642251.009-04 – 3 sheets; specifications № ИМШБ. 642254.017-04 – 3 sheets; Drawing № ИМШБ. 642254.017-04 СБ; ПИЖЦ.735214.094; ПИЖЦ.735214.095; ПИЖЦ.735214.096; ПИЖЦ.735214.097; ПИЖЦ.735214.098; ПИЖЦ.735214.099.
- 19.3. **Additional information presented:**
- 19.3.1. Technical conditions for pressmaterial - „PREMIX”
- 19.3.2. Technical conditions for enamel ML - 165, ML - 165PM and MC – 160
- 19.4. Corrected operating instructions

Sofia, 2018-06-18

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