



# "MINPROEKT" JSC

## CERTIFICATE



- [1] **EC-TYPE-EXAMINATION CERTIFICATE**  
(Translation)
- [2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC
- [3] **EC-type-examination Certificate Number: №: MP 15 ATEX 0147 X**
- [4] **Product (Equipment or protective system): Button (Knob) PVK y3**
- [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 and the documents therein referred to.
- [8] Minproekt JSC, notified body No.1877 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 report No. 06/17.02.2015**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2012; EN 60079-1:2007 and EN 60079-31:2009.**
- [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 EC-type-examination Certificate relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 94/9/EC.  
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 d IIC T6 Gb



II 2 D Ex t<sub>b</sub> IIIC T85°C IP66 Db

- 20°C ≤ T<sub>a</sub> ≤ +55°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 valid till 27.02.2020

Sofia, 2015-02-27

Executive Director:  
/dipl. eng H. Hubenov/



Page 1/3

“Minproekt” JSC, Sofia 1756, Bulgaria, 14 “Kliment Ohridski” avenue  
tel.: 02/975-82-20, fax: 02/975-33-48  
e-mail: [office@minproekt.com](mailto:office@minproekt.com)  
[www.minproekt.com](http://www.minproekt.com)

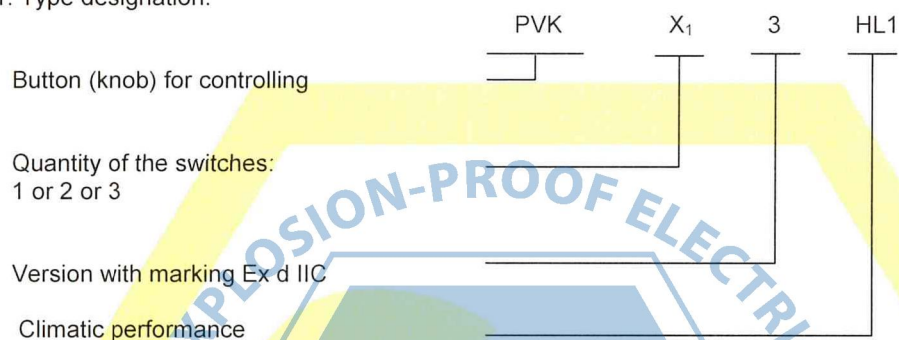
Division “Scientific and Research Activity”  
tel.: 07718/2340, 07718/2240  
e-mail: [minproektvs@abv.bg](mailto:minproektvs@abv.bg)

- [13] Schedule  
 [14] EC-type-examination certificate №: MP 15 ATEX 0147 X (Translation)  
 [15] Characteristics of the type, subject to the examination

1. Technical description  
 The buttons series type PVK y3 consist of a housing and a lid made of aluminum alloy AK12. In the enclosure there is a switch type BKV x.x. In the PVK-13 there is one switch type BKV x.x., and in the PVK-23 and the PVK –33 there are respectively two and three BKV x.x.

2. Technical data of the product.

2.1. Type designation:



2.2. Technical data:

- operating temperature range:  $-20^{\circ}\text{C} + +55^{\circ}\text{C}$ ;
- relative humidity of the environment: to  $(98\pm 2)\%$  at a temperature  $(35\pm 2)^{\circ}\text{C}$  while condensing moisture;
- operating voltage - max. 660V (AC) and max. 440V (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 y3 is designed for a remote control of stationary or mobile equipment in explosive zones according to its explosive marking..

Sofia, 2015-02-27

Executive Director:  
/dipl. eng H. Hubenov/

"Minproekt "EAD, Sofia 1756, Bulgaria  
 14 "Kliment Ohridski" avenue  
 tel.: 02/975-82-20, fax: 02/ 975-33-48  
 e-mail: [office@minproekt.com](mailto:office@minproekt.com) – Sofia  
[www.minproekt.com](http://www.minproekt.com)

Division "Scientific and Research Activity"  
 tel.: 07718/2340,07718/2240  
 e-mail: [minproektvs@abv.bg](mailto:minproektvs@abv.bg) - Dragichevo

- [13] Schedule
- [14] EC-type-examination certificate №: MP 15 ATEX 0147 X (Translation)
- [16] Test report No 06/17.02.2015
- [17] Special requirements for safety use – Button (knob) PVK y3 is designed for a working temperature range of  $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ , different from the standard.
- [18] Essential requirements
- 18.1. According to Directive 94/9/EC 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 Available report: a report from the the spectral analysis of an aluminum alloy AKA-12 / 11.20.2014
- 19.3 Constructional documentation containing:  
Specifications № ИМШБ.642251.008 – 8 sheets; Drawing № ИМШБ. 642251.008 СБ – 2 sheets; Drawing № № ПИЖЦ.301132.052 СБ; ПИЖЦ.735224.012; specifications № ИМШБ.642251.009 – 8 sheets; Drawing № № ИМШБ.642251.009 СБ – 2 sheets; ПИЖЦ.301132.052 СБ; ПИЖЦ.735224.012; specification № ИМШБ.642254.017 – 8 sheets; Drawing № № ИМШБ.642254.017 СБ – 2 sheets; ПИЖЦ.301132.052 СБ; ПИЖЦ.735224.013.

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