



EN



"MINPROEKT" EAD

CERTIFICATE



- [1] **Module B EC-TYPE-EXAMINATION CERTIFICATE**
(Translation)
- [2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EC (ATEX)
- [3] **Module B EC-type-examination Certificate Number: №: MP 17 ATEX 0103 X**
- [4] **Product (Equipment or protective system): "Cable entries, type series VK-U- VEL.X.X.X.X..."**
(series VK-X-VEL1-M20+63Exe; VK-X-VEL2-M20+63Exd; VK-X-VEL3T-M20+63Exe; VK-X-VEL4T-M20+63Exd; VK-X-VEL1BM-M20+63Exe; VK-X-VEL2BM-M20+63Exd; VK-X-VEL4M M20+63Exd; VK-X-VEL-1BT; VK-X-VEL-2BT; VK-X-VEL-3)
- [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 JSC, notified body No.1877 in accordance with Article 18 of the Council Directive 2014/34/EC (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 № 28/04.11.2013 r. and № 06/13.02.2014

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012; EN 60079-1:2014; 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 EC-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/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 Gb/Ex e II Gb I M2 Ex e I Mb
 II 1 D Ex t, IIIC IP66 Da I M2 Ex d I Mb -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 supplement to Certificate MP 13 ATEX 0103 X

Sofia, 23.10.2017

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[13] Schedule

[14] Certificate on "Module B: EC-type-examination" №: MP 17 ATEX 0103 X (Translation)

[15] Characteristics of the type, subject to the examination

1. Technical description

The main parts of the cable entries consist of a nipple with a nut for tightening to the enclosure, a rubber gasket, washer and compression nut that deforms the rubber gasket and seals the cable. Some series have additional nuts tightening the armored cable, a clamp for releasing the cable tension, facilities for piping. The cable entries are made from the following materials: brass, stainless steel and steel with corrosion-resistant coating.

Technical data of the product.

1.1. Type designation:

	VK	U	VEL	X	X	X	X	V1,5
Cable entry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material for the cable entry								
L – brass								
N – stainless steel								
S – steel with corrosion-resistant coating								
Name of the series „VEL”								
Implementation of the entry: 2 or 4								
Index „B” for entries intended for armored cables, index „M” upgraded entries with a device against pulling the cable armor (only for 2B entries) and index „T” for pipe entries								
Name of the thread of the cable entry								
Metric thread with a pitch 1,5 mm								
M20, M25, M32, M40, M50, M63,								
Cylindrical pipe thread								
G 1/2, G 3/4, G1, G 1,1/4, G 1,1/2, G2								
Pipe taper thread								
R 1/2, R 3/4, R1, R 1,1/4, R 1,1/2, R2								
Taper inch thread								
K 1/2, K 3/4, K1, K 1,1/4, K 1,1/2, K2								
Indication of the type of explosion protection								
Ex e, Ex d								
Climatic performance								

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Schedule**Certificate on "Module B: EC-type-examination" №: MP 17 ATEX 0103 X (Translation)****[15] Characteristics of the type, subject to the examination**

1.2. Specifications

- working temperature range: $-60^{\circ}\text{C} + +60^{\circ}\text{C}$;
- relative humidity of the environment: to $(98 + 2)\%$ at $(35 + 2)^{\circ}\text{C}$;

2. Application field

The cable entries are designed for assembling machines and units intended for use in potentially explosive atmospheres according to the marking.

[16] Test report No 28/04.11.2013 and № 06/13.02.2014**[17] Special requirements for safety use – The certificate is for a cable entry. The cable entry is designed for working temperature range: $-60^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$, different from the standard.****[18] Essential requirements**

18.1. According to Directive 2014/34/EC (ATEX) and the user instructions, the product is designed for equipment not allowed for zone 0 and the places in mines, susceptible to the methane gas [firedamp] and to the combustible coal dust (category M1).

18.2. Other essential safety requirements are covered by the standards pointed in [9].

[19] List of the technical record parts

19.1 Technical conditions

19.2 Operating Instructions

19.3 Presented certificates: Certificate for conformity № РОСС RU. ME92.B02846 – valid until 23.07.2015; License № PPC 00-049184 issued by Federal Service for ecological, technical and atomic supervision; Passport No 31/06.08.2013 for the mixture of the rubber gaskets

19.4 List of harmonized standards

19.5 Constructional documentation containing drawings № № ПИНЮ.687151070 СБ; ПИНЮ.687151.073 СБ; ПИНЮ.687151.071 СБ; ПИНЮ. 687151.075 СБ; ПИНЮ. 687151.072 СБ; ПИНЮ.687151.074 СБ; ПИНЮ.687151.151 СБ; ПИНЮ. 758422.061; ПИНЮ.753127.013; ПИНЮ.754176.083; ПИНЮ.758491.052; specifications ПИНЮ.687151.151 – five pieces; drawings №№ ПИНЮ.687151.153 СБ; ПИНЮ.758422.063; ПИНЮ.753137.019; ПИНЮ.754176.081; ПИНЮ.758491.050; specifications ПИНЮ.687151.153 – five pieces; technical conditions - ПИНЮ.687153.002 ТУ; Annex Б.

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