



GIG



AC 038



KDB 13ATEX0098X



Główny Instytut Górnictwa  
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This certificate and its  
schedules may only be  
reproduced in its entirety and  
without change  
Products Certification  
Program PCW-ISO/IEC-1b  
Code ICS 13.240

# [1] EC-TYPE EXAMINATION CERTIFICATE



[2] Equipment, protective systems and components intended for use in  
potentially explosive atmospheres - Directive 94/9/EC

[3] EC – type examination certificate:

**KDB 13ATEX0098X**

[4] Equipment:

**Junction box type KZP \*-\*/\*(P)**

[5] Manufacturer:

**JSC „VELAN”**

[6] Address:

**Velanovskaya street 1, Zelenokumsk  
Stavropol Region, 357911 Russia**

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

[8] Główny Instytut Górnictwa, Notified Body number 1453 in accordance with Article 9 of  
Directive 94/9/EC of 23 March 1994, certifies that this equipment and protective system has  
been found to comply with the Essential Health and Safety Requirements relating to the  
design and construction of equipment and protective systems intended for use in potentially  
explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report  
KDB No. 13.124 [T-7003]

[9] Compliance with the Essential Health and Safety Requirements has been assured by  
compliance with:

EN 60079-0:2009; EN 60079-7:2007

[10] If the sign „X“ is placed after the certificate number, it indicates that the 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 construction of the  
specified equipment and protective system in accordance with Directive 94/9/EC.  
Further requirements of the Directive may apply to the manufacturing process and supply of  
this equipment or protective system. These are not covered by this certificate.

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

**Ex II 2G Ex e II T5 Gb**

**Specjalista ds. Certyfikacji  
Urządzeń Przeciwybuchowych**

**dr inż. Michał Górny**



**KIEROWNIK  
Zespołu Certyfikacji Wyrobów  
KD „BARBARA” Mikołów  
dr hab. inż. Krzysztof Cybulski, prof. GIG**

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## SCHEDULE

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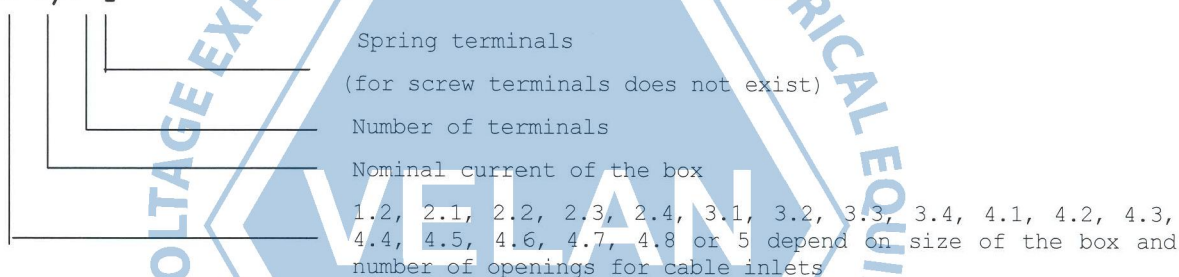
### EC-Type Examination Certificate KDB 13ATEX0098X

**[15] Description:**

The junction box KZP... is equipped with enclosure made of plastic. The enclosure consists of the body and the cover fixed to the body with the screws. Terminals of type WK... WKM... or WKN... made by Wieland (marking II2GD IM2 Ex e I/II, certificate KEMA 02ATEX2114U) or WDU... made by Weidmüller (marking II2GD Ex II, certificate KEMA 98ATEX1683U) are placed inside the box. The nominal current and nominal voltage of the box depend on applied terminals. In body of the box there are openings with thread M20x1,5; M25x1,5; M32x1,5; M40x1,5; M50x1,5 or M63x1,5 for montage of cable inlets. Unused openings are blanking by threaded plugs.

In the name of the box type, particular symbols mean:

**KZP \*-\*/\* P**



**Technical parameters:**

|                           |   |               |
|---------------------------|---|---------------|
| Max. Nominal voltage      | V | 690           |
| Max. Number of terminals  |   | 75            |
| Max. Nominal current      | A | 120           |
| Dust and water protection |   | IP 66         |
| Ambient temperature       |   | -20°C ÷ +50°C |

Nominal voltage and nominal current are as follow, depend on the type of used terminals:

| Type of the box  | Maximum number of Wieland terminals |               |             |             |             |             |             |             |              |   |
|------------------|-------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---|
|                  | WK<br>2.5/U                         | WKM<br>2,5/15 | WKM<br>4/15 | WK<br>4/U   | WK<br>6/U   | WKN<br>10/U | WKN<br>16/U | WKN<br>35/U | WKN<br>70/U  |   |
|                  | 690V<br>16A                         | 690V<br>10A   | 690V<br>16A | 690V<br>18A | 690V<br>32A | 690V<br>36A | 690V<br>50A | 690V<br>80A | 690V<br>124A |   |
| KZP1.X           | -                                   | 4             | 4           | -           | -           | -           | -           | -           | -            | - |
| KZP2.X           | -                                   | 8             | 8           | -           | -           | -           | -           | -           | -            | - |
| KZP3.1           | -                                   | 12            | 12          | -           | -           | -           | -           | -           | -            | - |
| KZP3.2, 3.3, 3.4 | 16                                  | 24            | 20          | 14          | 10          | 6           | 5           | -           | -            | - |
| KZP4.1           | -                                   | 50            | 50          | -           | -           | -           | -           | -           | -            | - |
| KZP4.2, 4.3      | 35                                  | 50            | 50          | 30          | 20          | 14          | 10          | 8           | -            | - |
| KZP4.4           | 35                                  | 50            | 50          | 30          | 20          | 14          | 10          | 8           | 5            | - |
| KZP4.5, 4.6      | 40                                  | 50            | 50          | 30          | 25          | 20          | 16          | 8           | 6            | - |
| KZP4.7, 4.8      | 60                                  | 50            | 50          | 74          | 56          | 30          | 30          | 16          | 8            | - |
| KZP5             | 60                                  | 50            | 50          | 74          | 56          | 30          | 30          | 30          | 8            | - |



## SCHEDULE

### EC-Type Examination Certificate KDB 13ATEX0098X

| Type of the box  | Maximum number of Weidmüller terminals |             |             |             |             |
|------------------|--|-------------|-------------|-------------|-------------|
|                  | WDU 2,5                                | WDU 2,5N    | WDU 4       | WDU 4N      | WDU 6       |
|                  | 550V<br>18A                            | 440V<br>16A | 690V<br>32A | 440V<br>26A | 550V<br>36A |
| KZP1.X           | -                                      | 4           | -           | 4           | -           |
| KZP2.X           | -                                      | 10          | -           | 10          | -           |
| KZP3.1           | -                                      | 29          | -           | 20          | -           |
| KZP3.2, 3.3, 3.4 | 16                                     | 20          | 14          | 20          | 10          |
| KZP4.1           | -                                      | 50          | -           | 50          | -           |
| KZP4.2, 4.3      | 35                                     | 50          | 30          | 50          | 20          |
| KZP4.4           | 35                                     | 50          | 30          | 50          | 20          |
| KZP4.5, 4.6      | 40                                     | 50          | 60          | 60          | 40          |
| KZP4.7, 4.8      | 60                                     | 50          | 74          | 74          | 56          |
| KZP5             | 60                                     | 60          | 74          | 74          | 56          |

[16] **Test report:**

Sprawozdanie KDB Nr 13.124

[17] **Special condition for safe use:**

- The junction box should be equipped with cable inlets certified as Ex e or Ex d.
- The box can be used for connecting intrinsically safe circuits, provided, that the insulating distances between intrinsically safe and non-intrinsically terminals are in accordance with the requirements of EN 60079-11.

[18] **Essentials health and safety requirements:**

Met by compliance with standards:

EN 60079-0:2009; (PN-EN 60079-0:2009);

EN 60079-7:2007; (PN-EN 60079-7:2010);

