



AC 038



KDEATEX
131737



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 13ATEX0099X

[4] Equipment:

Junction boxes type

KZPN-VEL *-*/*(P) and KZPS-VEL *-*/*(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. 13.125 [T-6980]

[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. Przemysław Cybulski, prof. GIG**

Date of issue: 26.08.2013
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SCHEDULE

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EC-Type Examination Certificate KDB 13ATEX0099X

[15] Description:

The junction boxes KZPN-VEL... and KZPS-VEL... are equipped with enclosure made of stainless steel or carbon steel. The enclosure consists of the body and the cover fixed to the body with the screws. Terminals of type WK... 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 for montage of cable inlets with thread M20x1,5; M25x1,5; M32x1,5; M40x1,5; M50x1,5 or M63x1,5. Unused openings are blanking by threaded plugs.

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

KZP*-VEL **-*/* P

Spring terminals

(for screw terminals does not exist)

Number of terminals

Nominal current of the box

1.1, 1.2, 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 5.1, 5.2, 6.1, 6.2, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3, 11.2, 11.3, 12.2, 12.3, 13.2, 13.3, 14.2, 14.3 depend on size of the box and number of openings for cable inlets

material of the enclosure:

N-stainless steel, S-carbon steel

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

SCHEDULE

EC-Type Examination Certificate KDB 13ATEX0099X

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 2.5/U	WK 4/U	WK 6/U	WKN 10/U	WKN 16/U	WKN 35/U	WKN 70/U
	690V 16A	690V 18A	690V 32A	690V 38A	690V 50A	690V 80A	690V 120A
KZPN(S)-VEL 1. ...	20	15	12	-	-	-	-
KZPN(S)-VEL 2. ...	20	18	12	-	-	-	-
KZPN(S)-VEL 3. ...	30	26	18	13	8	-	-
KZPN(S)-VEL 4. ...	35	30	22	15	10	5	-
KZPN(S)-VEL 5. ...	40	40	30	16	13	10	-
KZPN(S)-VEL 6. ...	50	50	28	24	20	12	8
KZPN(S)-VEL 7. ...	50	50	35	28	23	14	10
KZPN(S)-VEL 8. ...	50	50	45	40	35	20	18
KZPN(S)-VEL 9. ...	50	50	50	50	40	25	20
KZPN(S)-VEL 10. ...	110	100	80	65	55	30	20
KZPN(S)-VEL 11. ...	160	130	100	80	64	35	22
KZPN(S)-VEL 12. ...	160	130	100	80	64	35	22
KZPN(S)-VEL 13. ...	160	130	100	80	64	35	22
KZPN(S)-VEL 14. ...	160	130	100	80	64	35	22

Type of the box	Maximum number of Weidmüller terminals				
	WDU 2,5	WDU 2,5N	WDU 4	WDU 4N	WDU 6
	550V 18A	440V 16A	690V 30A	440V 24A	550V 35A
KZPN(S)-VEL 1. ...	20	20	12	18	12
KZPN(S)-VEL 2. ...	29	20	18	18	12
KZPN(S)-VEL 3. ...	30	30	25	25	18
KZPN(S)-VEL 4. ...	35	35	30	30	22
KZPN(S)-VEL 5. ...	50	50	40	40	30
KZPN(S)-VEL 6. ...	50	50	50	50	28
KZPN(S)-VEL 7. ...	50	50	50	50	35
KZPN(S)-VEL 8. ...	50	50	50	50	45
KZPN(S)-VEL 9. ...	50	50	50	50	50
KZPN(S)-VEL 10. ...	135	135	80	80	65
KZPN(S)-VEL 11. ...	160	160	130	130	100
KZPN(S)-VEL 12. ...	160	160	130	130	100
KZPN(S)-VEL 13. ...	160	160	130	130	100
KZPN(S)-VEL 14. ...	160	160	130	130	100

[16] Test report:

Sprawozdanie KDB Nr 13.125



SCHEDULE

EC-Type Examination Certificate KDB 13ATEX0099X

[17] **Special condition for save 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);

