



AC 038



KDEATEX



Główny Instytut Górnictwa
Jednostka Certyfikująca
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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 13ATEX0041X

[4] Equipment:

Junction box type KZPM *-*/*(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. 13.048 [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
Izdziału Bezpieczeństwa Wyrobów

dr inż. Michał Górny



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

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SCHEDULE

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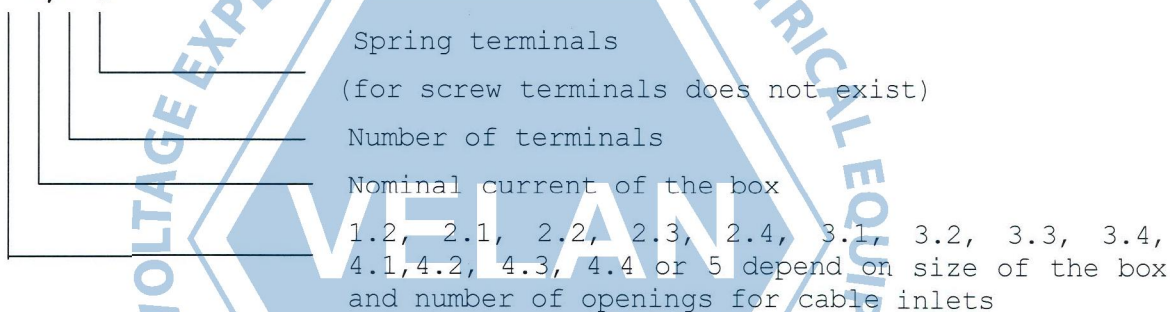
EC-Type Examination Certificate KDB 13ATEX0041X

[15] Description:

The junction box KZPM... is equipped with enclosure made of light alloy AlSi12. The enclosure consists of the body and the cover fixed to the body with M6 or M8 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:

KZPM *-*/* P



Technical parameters:

Max. Nominal voltage	V	690
Max. Number of terminals		74
Max. Nominal current	A	124
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 2.5/U	WKM 2,5/U	WK 4/U	WKM 4/U	WK 6/U	WK 10/U	WKN 16/U	WKN 35/U	WKN 70/U
	690V 16A	690V 12A	690V 18A	690V 28A	690V 32A	690V 38A	690V 55A	690V 85A	690V 124A
KZPM1.X	-	4	-	4	-	-	-	-	-
KZPM2.X	-	8	-	8	-	-	-	-	-
KZPM3.1	-	12	-	12	-	-	-	-	-
KZPM3.2, 3.3, 3.4	12	12	18	26	14	10	8	6	-
KZPM4.1	-	35	-	30	-	-	-	-	-
KZPM4.2, 4.3	34	35	36	30	28	20	18	12	6
KZPM4.4	34	35	36	30	28	20	18	12	8
KZPM5	34	50	74	30	56	30	30	30	8

SCHEDULE

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Type of the box	Maximum number of Weidmüller terminals				
	WDU 2,5/U	WDU 2,5N	WDU 4	WDU 4N	WDU 6
	550V 20A	440V 16A	690V 35A	440V 28A	550V 38A
KZPM1.X	-	4	-	4	-
KZPM2.X	-	8	-	8	-
KZPM3.1	-	12	-	12	-
KZPM3.2 , 3.3 , 3.4	12	12	18	26	-
KZPM4.1	-	35	-	30	-
KZPM4.2, 4.3	34	35	36	30	28
KZPM4.4	34	35	36	30	28
KZPM5	60	60	74	74	56

[16] **Test report:**

Sprawozdanie KDB Nr 13.048

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

- The junction box should be equipped with cable inlets certified as Ex e or Ex d components.
- 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);

