



AC 038



KDB ATEX



Główny Instytut Górnictwa
Jednostka Certyfikująca
Zespół Certyfikacji WYROBÓW
KD „Barbara”
ul. Podleska 72
43-190 Mikołów,
tel. (+48) 32 3246550
fax. (+48) 32 3224931
www.gig.katowice.pl

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 13ATEX0014X

[4] Equipment:

Junction box type KZRV2-*/*(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. 13.016 [T-6979]

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

EN 60079-0:2009; EN 60079-1:2007

[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:



II 2G Ex d IIC T6 Gb

Specjalista ds. Certyfikacji
Urządzeń Przeciwwybuchowych

dr inż. Michał Górny



KIEROWNIK
Zespołu Certyfikacji WYROBÓW
KD "BARBARA" Mikołów
dr hab. inż. Krzysztof Cybulski prof. GIG

Date of issue: 11.02.2013

Date of English version: 11.02.2013

Page 1 of 3

13

SCHEDULE

14

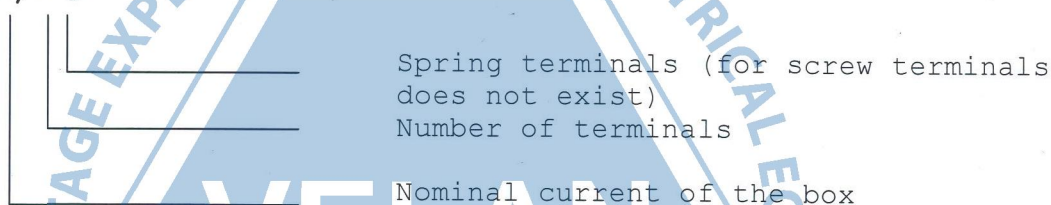
EC-Type Examination Certificate KDB 13ATEX0014X

[15] Description:

The junction box KZRV2-... is equipped with flameproof enclosure made of light alloy AlSi12. The enclosure consists of body and a cover, fixed with 4 screws M6. Between the body and the cover - the cylindrical flameproof joint exists. Terminals of type WK.../U (made by Wieland) or WDU... (made by Weidmüller) 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 four openings with thread M20x1,5; M25x1,5 or M32x1,5 for montage of cable inlets. Unused openings are blanking by threaded plugs.

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

KZRV2-*/* P



Technical parameters:

Max. Nominal voltage	V	690
Max. Number of terminals		6
Max. Nominal current	A	32
Dust and water protection		IP 66
Dimensions (without cable inlets)	mm	144x144x133
Ambient temperature		-20°C ÷ +50°C

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

Type of terminals	Max. number of terminals	Nominal voltage [V]	Nominal current [A]
WK2,5/U (Wieland)	6	690	20
WK4/U (Wieland)		690	24
WK6/U (Wieland)		690	30
WDU2,5 (Weidmüller)		600	20
WDU2,5N (Weidmüller)		300	16
WDU4 (Weidmüller)		600	31
WDU4N (Weidmüller)		300	15
WDU6 (Weidmüller)		600	32

SCHEDULE

EC-Type Examination Certificate KDB 13ATEX0016X

[16] Test report:

Sprawozdanie KDB Nr 13.016

The overpressure for routine test should be not below 0,99 MPa.

[17] Special condition for save use:

- The screws of mechanical class no below 8.8 have to be used for jointing elements of flameproof enclosure, according to manual instruction.
- The junction box should be equipped with flameproof cable inlets according to requirements of EN 60079-14.

[18] Essentials health and safety requirements:

Met by compliance with standards:

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

EN 60079-1:2007; (PN-EN 60079-1:2010);

