IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx KDB 16.0002X	Issue No: 0	Certificate history: Issue No. 0 (2016-01-15)
Status:	**Current**	Page 1 of 3	
Date of Issue:	**2016-01-15**		

Applicant: **JSC „VELAN"**
Velanovskaya street 1, Zelenokumsk
Stavropol Region, 357911
Russian Federation

Equipment: **Junction box type KZP *-*/*P-(*/*)-*x***
Optional accessory:

Type of Protection: **Ex e**

Marking: Ex e IIC T5 Gb

Approved for issue on behalf of the IECEx Certification Body: dr inż. Michał Górny

Position: Head of ExCB

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Główny Instytut Górnictwa, Kopalnia Doświadczalna "BARBARA"
(Central Mining Institute Experimental Mine "Barbara")
ul. Podleska 72
43-190 Mikołów
Poland

IECEx Certificate of Conformity

Certificate No:	IECEx KDB 16.0002X	Issue No: 0
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Manufacturer:	**JSC „VELAN"** Velanovskaya street 1, Zelenokumsk Stavropol Region, 357911 **Russian Federation**	

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

PL/KDB/ExTR15.0011/00

Quality Assessment Report:

PL/KDB/QAR15.0005/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 WKN… made by Wieland (IECEx SEV 15.0002U) or WDU… made by Weidmüller (IECEx ULD 14.0005U) 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 various sizes 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.

CONDITIONS OF CERTIFICATION: YES as shown below:

- The junction box should be equipped with cable inlets according to requirements of EN 60079-14

- The box may 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.

Annex:

KDB_Attachment_CoC_15.0002X.pdf

Data Sheet

Applicant: JSC „VELAN”
Velanovskaya street 1, Zelenokumsk
Stavropol Region, 357911 Russian Federation

Electrical Apparatus: Junction box type KZP *-*/*P-(*/*)-*×*

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 WKN… made by Wieland (IECEx SEV 15.0002U) or WDU… made by Weidmüller (IECEx ULD 14.0005U) 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 various sizes 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.

KZP X2-X3/X4P-(X5/X6)-Xn×Xm, where:

X2 - standard size of applicable enclosure OEA:

1.2, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 5;

X3 - rated current of applicable terminals, [A];

X4 - number of applicable terminals;

P - spring terminals, absent for screw terminals;

(X5/X6) - rated current and quantity of applicable intermediate terminals;

Xn×Xm - type and quantity of installed plugs;

Technical parameters:

Dust and water protection	IP 66
Ambient temperature	-20°C ÷ +50°C

Type of the box	Maximum number of Wieland terminals						
	WKN 35/U 690V 80A	WKN 70/U 690V 120A	WDU 2,5 550V 18A	WDU 2,5N 440V 16A	WDU 4 690V 32A	WDU 4N 440V 26A	WDU 6 550V 36A
KZP3.1	-	-	-	20	-	20	-
KZP3.2 ,3.3 ,3.4	-	-	16	20	14	20	10
KZP4.1	-	-	-	50	-	50	-
KZP4.2, 4.3	8	-	35	50	30	50	20
KZP4.4	8	5	35	50	30	50	20
KZP4.5, 4.6	8	6	40	50	60	60	40
KZP4.7, 4.8	16	8	60	50	74	74	56
KZP5.X	30	8	60	60	74	74	56

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