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 16.0008X	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 KZVA-VEL-*-*/*P-*×*(*)-IIB**

Optional accessory:

Type of Protection: **Ex d**

Marking: Ex d IIB 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:

LOW-VOLTAGE EXPLOSION-PROOF ELECTRICAL EQUIPMENT
VELAN
since 1958

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

GIG

IECEx Certificate of Conformity

Certificate No:	IECEx KDB 16.0008X	Issue No: 0
Date of Issue:	**2016-01-15**	Page 2 of 3
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 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

*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/ExTR15.0017/00

Quality Assessment Report:

PL/KDB/QAR15.0005/00

LOW VOLTAGE EXPLOSION-PROOF ELECTRICAL EQUIPMENT
VELAN
since 1958

IECEx Certificate of Conformity

Certificate No:	IECEx KDB 16.0008X	Issue No: 0
Date of Issue:	**2016-01-15**	Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The junction box KZVA-VEL-*-*/*-IIB is equipped with flameproof enclosure made of light alloy AlSi12. The enclosure consists of body and a cover, fixed with screws M8 or M10. Between the body and the cover – the flanged flameproof joint exists. Terminals of type WK…/U or WKN.../U made by Wieland are placed inside the box. The nominal current of the box depends on number and type of 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 screws of mechanical class no below 8.8 have to be used for jointing elements of flameproof enclosure, according to instruction manual

- The junction box should be equipped with flameproof 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_16.0008X.pdf

LOW-VOLTAGE EXPLOSION-PROOF ELECTRICAL EQUIPMENT
VELAN
since 1958

Data Sheet

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

Electrical Apparatus: Junction box type KZVA-VEL-*-*/*P-*×*(*)-IIB

Description:

The junction box KZVA-VEL-*-*/*-IIB is equipped with flameproof enclosure made of light alloy AlSi12. The enclosure consists of body and a cover, fixed with screws M8 or M10. Between the body and the cover – the flanged flameproof joint exists. Terminals of type WK…/U or WKN.../U made by Wieland are placed inside the box. The nominal current of the box depends on number and type of 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.

KZVA-VEL-X1-X2/X3P-X4×X5(X6)-X7, where:

X1 - dimension type of the box (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13);

X2 - rated current of applicable terminals [A];

X3 - number of terminals;

P - spring terminals, absent for screw terminals;

X4 - type of installed blinking plug;

X5 - number of plugs for each side;

X6 - mounting side (A, B, C, D);

X7 - explosion protection marking;

LOW-VOLTAGE EXPLOSION-PROOF ELECTRICAL EQUIPMENT
VELAN
since 1958

Technical parameters:

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

Główny Instytut Górnictwa
Kopalnia Doświadczalna „BARBARA”
ul. Podleska 72, 43-190 Mikołów, POLAND
tel. +48 32 32 46 551, fax. +48 32 32 24 931
www.kdbex.eu; www.gig.eu

Size of the enclosure	Max. number of terminals						
	Type of terminals / I_N (A)						
	WK2.5/U 16A	WK4/U 20A	WK6/U 30A	WK10/U 35A	WKN16/U 55A	WKN35/U 85A	WKN70/U 124A
1	16	13	10	8	-	-	-
2	22	18	13	11	5	-	-
3	30	26	18	14	8	-	-
4	40	30	20	16	12	6	-
5	45	35	25	20	14	6	-
6	60	50	36	25	16	8	-
7	55	45	35	30	18	10	4
8	55	45	35	30	18	10	-
9	60	60	40	35	25	11	6
10	60	50	40	35	25	11	-
11	60	55	45	25	20	12	8
12	60	60	45	20	16	12	-
13	60	60	50	20	16	12	10

LOW-VOLTAGE EXPLOSION-PROOF ELECTRICAL EQUIPMENT
VELAN
since 1958

Główny Instytut Górnictwa
Kopalnia Doświadczalna „BARBARA”
ul. Podleska 72, 43-190 Mikołów, POLAND
tel. +48 32 32 46 551, fax. +48 32 32 24 931
www.kdbex.eu; www.gig.eu