



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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEx CCVE 18.0013U

Issue No: 1

Certificate history:

Status: **Current**

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Issue No. 1 (2019-01-31)

Issue No. 0 (2018-12-04)

Date of Issue: **2019-01-31**

Applicant: **"ZAVOD GORELTEX" Co. Ltd.**
195176, Saint Petersburg, Revolutsii road, 18, lit. A
Russian Federation

Ex Component: **Empty enclosures types KSRV...**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **protection by increased safety "e", intrinsically safe electrical circuit "i", protection by enclosure "t"**

Marking:

Ex eb IIC Gb

Ex ia IIC Gb

Ex tb IIIC Db

IP54/IP66

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Zalogin

Position:

Head of CB CCVE

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](http://www.iecex.com).

Certificate issued by:

NANIO CCVE
Zavod ECOMASH, VUGI Settlement
Lyubertsy, Moscow region
140004
Russian Federation





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Manufacturer: "ZAVOD GORELTEX" Co. Ltd.

193149, Novosaratovka township area, liter A, Vsevolzhsky district, Leningrad region
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 Component 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 Ex Component 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 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

RU/CCVE/ExTR18.0002/00 RU/CCVE/ExTR18.0002/01

Quality Assessment Report:

RU/CCVE/QAR16.0004/00 RU/CCVE/QAR16.0004/01



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Schedule

Ex Component(s) covered by this certificate is described below:

Empty enclosures types KSRV... are flameproof rectangular enclosures which consist of a housing and a cover.

Empty enclosures types KSRV... are made of aluminum alloy, empty enclosures type KSRV-N... are made of stainless steel, empty enclosures type KSRV-M... are made of mild steel. Aluminum alloy enclosures are coated with powder paint.

The cover can be fastened to the housing with surface mounted hinges and/or with fastening bolts only.

The seal for enclosure can be located in the cover or on the housing depending on the material of the enclosure.

Grounding elements of the empty flameproof enclosures types KSRV..., KSRV-N..., KSRV-M... are installed inside and outside the housing. The walls of the housing, cover and bottom of the housing may have threaded or non-threaded holes for mounting of cable glands, controls and other.

The enclosures can be installed indoors and outdoors.

For the explanation of designation, dimension type and model identification of empty enclosures type KSRV... see the Annex to this certificate.

The covers of the enclosures of types KSRV... may be provided with an inspection window made of tempered glass.

SCHEDULE OF LIMITATIONS:

1. Cable glands and other devices which can be installed are subject to a separate certification as Ex-equipment and they shall not invalidate the type of protection and IP degree of protection and shall correspond to connecting thread, its size and type of inserted cable.
2. KSRV-N... enclosures with windows were tested with low level of mechanical impact.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

New sizes and models of empty enclosures were considered. Empty enclosures with windows added.

Annex:

[Annex to IECEx CCVE 18.0013U.pdf](#)

Копия для каталога



Annex to IECEx CCVE 18.0013U

Issue No. 1

Enclosure symbol structure:

Empty enclosures type KSRV...

X1	X2	X3	X4	/ X5
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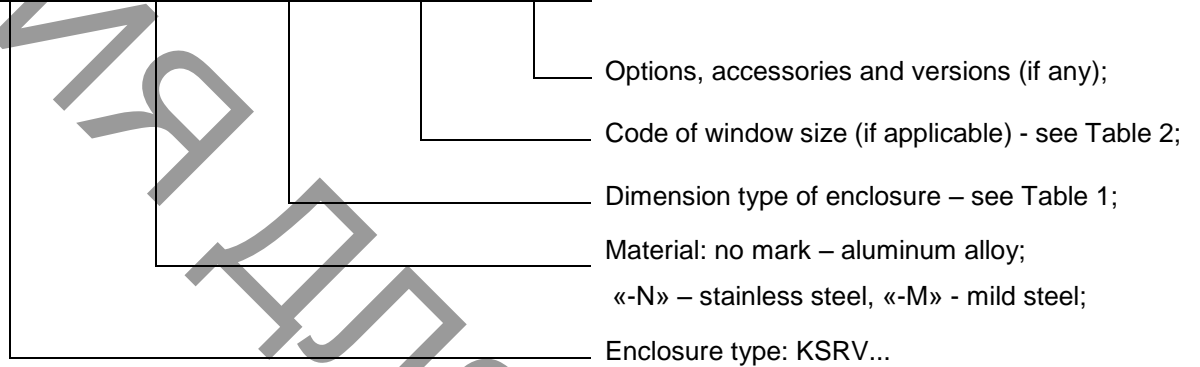


Table 1 – Dimension type of KSRV... enclosures

KSRV...	KSRV-N...	KSRV-M...
111109	111109	111109
141410	151512	151512
171109	171109	171109
202012	202012	202012
301410	231815	231815
302314	232315	232315
342421	303012	303012
513321	322312	322312
663221	342315	342315
626221	343415	343415
	402315	402315
	453415	453415
	534315	534315
	606025	606025
	806030	806030
	1008030	1008030

Table 2 – Codes of window sizes

Enclosure type	Code of window size
KSRV...	O0808
	O1508
	O1515
	O2515
	O2525
	O3725
	O3737

Model identification:

KSRV111109, KSRV141410, KSRV171109, KSRV202012, KSRV301410, KSRV302314, KSRV342421, KSRV513321, KSRV663221, KSRV626221; KSRV111109-O0808, KSRV141410-O0808, KSRV171109-O0808, KSRV171109-O1508, KSRV202012-O0808, KSRV202012-O1508, KSRV202012-O1515, KSRV301410-O0808, KSRV301410-O1508, KSRV301410-O1515, KSRV302314-O0808, KSRV302314-O1508, KSRV302314-O1515, KSRV302314-O2515, KSRV342421-O0808, KSRV342421-O1508, KSRV342421-O1515, KSRV342421-O2515, KSRV513321-O0808, KSRV513321-O1508, KSRV513321-O1515, KSRV513321-O2515, KSRV513321-O2525, KSRV513321-O3725, KSRV663221-O0808, KSRV663221-O1508, KSRV663221-O1515, KSRV663221-O2515, KSRV663221-O2525, KSRV663221-O3725, KSRV663221-O3737, KSRV626221-O0808, KSRV626221-O1508, KSRV626221-O1515, KSRV626221-O2515, KSRV626221-O2525, KSRV626221-O3725, KSRV626221-O3737.

KSRV-N111109, KSRV-N151512, KSRV-N171109, KSRV-N202012, KSRV-N231815, KSRV-N232315, KSRV-N303012, KSRV-N322312, KSRV-N342315, KSRV-N343415, KSRV-N402315, KSRV-N453415, KSRV-N534315, KSRV-N606025, KSRV-N806030, KSRV-N1008030, KSRV-N111109-O0808, KSRV-N151512-O0808; KSRV-N151512-O1508, KSRV-N151512-O1515, KSRV-N171109-O0808, KSRV-N171109-O1508, KSRV-N202012-O0808, KSRV-N202012-O1508, KSRV-N202012-O1515, KSRV-N231815-O0808, KSRV-N231815-O1508, KSRV-N231815-O1515, KSRV-N232315-O0808, KSRV-N232315-O1508, KSRV-N232315-O1515, KSRV-N303012-O0808, KSRV-N303012-O1508, KSRV-N303012-O1515, KSRV-N303012-O2515, KSRV-N303012-O2525, KSRV-N322312-O0808, KSRV-N322312-O1508, KSRV-N322312-O1515, KSRV-N322312-O2515, KSRV-N342315-O0808, KSRV-N342315-O1508, KSRV-N342315-O1515, KSRV-N342315-O2515, KSRV-N343415-O0808, KSRV-N343415-O1508, KSRV-N343415-O1515, KSRV-N343415-O2515, KSRV-N343415-O2525, KSRV-N402315-O0808, KSRV-N402315-O1508, KSRV-N402315-O1515, KSRV-N402315-O2515, KSRV-N453415-O0808, KSRV-N453415-O1508, KSRV-N453415-O1515, KSRV-N453415-O2515, KSRV-N453415-O2525, KSRV-N453415-O3725, KSRV-N534315-O0808, KSRV-N534315-O1508, KSRV-N534315-O1515, KSRV-N534315-O2515, KSRV-N534315-O2525, KSRV-N534315-O3725, KSRV-N534315-O3737, KSRV-N606025-O0808, KSRV-N606025-O1508, KSRV-N606025-O1515, KSRV-N606025-O2515, KSRV-N606025-O2525, KSRV-N606025-O3725, KSRV-N606025-O3737, KSRV-N806030-O0808, KSRV-N806030-O1508, KSRV-N806030-O1515, KSRV-N806030-O2515, KSRV-N806030-O2525, KSRV-N806030-O3725, KSRV-N806030-O3737, KSRV-N1008030-O0808, KSRV-N1008030-O1508, KSRV-N1008030-O1515, KSRV-N1008030-O2515, KSRV-N1008030-O2525, KSRV-N1008030-O3725, KSRV-N1008030-O3737.

KSRV-M111109, KSRV-M151512, KSRV-M171109, KSRV-M202012, KSRV-M231815, KSRV-M232315, KSRV-M303012, KSRV-M322312, KSRV-M342315, KSRV-M343415, KSRV-M402315, KSRV-M453415, KSRV-M534315, KSRV-M606025, KSRV-M806030, KSRV-M1008030, KSRV-M111109-O0808, KSRV-M151512-O0808; KSRV-M151512-O1508, KSRV-M151512-O1515, KSRV-M171109-O0808, KSRV-M171109-O1508, KSRV-M202012-O0808, KSRV-M202012-O1508, KSRV-M202012-O1515, KSRV-M231815-O0808, KSRV-M231815-O1508, KSRV-M231815-O1515, KSRV-M232315-O0808, KSRV-M232315-O1508, KSRV-M232315-O1515, KSRV-M303012-O0808, KSRV-M303012-O1508, KSRV-M303012-O1515, KSRV-M303012-O2515, KSRV-M303012-O2525, KSRV-M322312-O0808, KSRV-M322312-O1508, KSRV-M322312-O1515, KSRV-M322312-O2515, KSRV-M342315-O0808, KSRV-M342315-O1508, KSRV-M342315-O1515, KSRV-M342315-O2515, KSRV-M343415-O0808, KSRV-M343415-O1508, KSRV-M343415-O1515, KSRV-M343415-O2515, KSRV-M343415-O2525, KSRV-M402315-O0808, KSRV-M402315-O1508, KSRV-M402315-O1515, KSRV-M402315-O2515,

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KSRV-M606025-O2515, KSRV-M606025-O2525, KSRV-M606025-O3725, KSRV-M606025-O3737,
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KSRV-M806030-O2525, KSRV-M806030-O3725, KSRV-M806030-O3737, KSRV-M1008030-O0808,
KSRV-M1008030-O1508, KSRV-M1008030-O1515, KSRV-M1008030-O2515, KSRV-M1008030-O2525,
KSRV-M1008030-O3725, KSRV-M1008030-O3737.

Service temperature range of the enclosures:

- with windows: from minus 60 °C to +120 °C;
- without windows: from minus 60 °C to +150 °C.

КОПИЯ ДЛЯ КАТАЛОГА