

1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Component for use as a part of an Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. EU-Type Examination Certificate Number: **EESF 19 ATEX 012U Issue 1**
4. Product: **Empty enclosures**
Certified types: **KSRV...**
5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**
6. Address: **Saint-Petersburg, Revolutsii road, 18, lit. A
Russian Federation**
7. This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential reports No. RU/CCVE/ExTR18.0002/00 and RU/CCVE/ExTR18.0002/01.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012/A11:2013 EN IEC 60079-7:2015/A1:2018 EN 60079-11:2012
EN 60079-31:2014**
10. The sign "U" after the certificate number indicates that this certificate is a component certificate and it may be used as a basis for certification of an equipment or a protective system.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 2 G Ex eb IIC Gb
II 2 G Ex ia IIC Gb
II 2 D Ex tb IIIC Db
IP54/IP66

Espoo, 12.6.2019
Eurofins Expert Services Oy

Kari Koskela
 Expert

Ilkka Riihimäki
 Expert

This document is digitally signed.

13. Schedule
14. EU-Type Examination Certificate EESF 19 ATEX 012U Issue 1
15. Description of Product

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.

16. Report Number

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

17. 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.

18. Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. Drawings and Documents

Drawings and documents are listed in the confidential reports RU/CCVE/ExTR18.0002/00 and RU/CCVE/ExTR18.0002/01.

20. Certificate History

Issue	Date	Report No.	Change
-	18.2.2019	RU/CCVE/ExTR18.0002/00	Original certificate
1	11.6.2019	RU/CCVE/ExTR18.0002/01	New sizes and models of empty enclosures were considered. Empty enclosures with windows added.

Annex

Enclosure symbol structure:

Empty enclosures type KSRV...

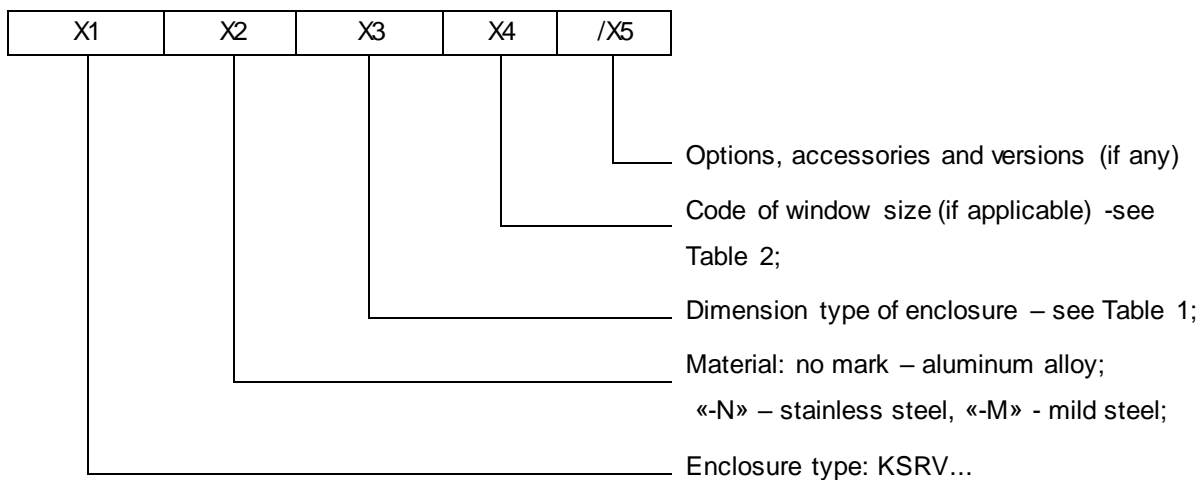


Table 1 – Dimension type of KSRV..., KSRV-N, KSRV-M series enclosures

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-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, 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-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-N322312-O2515, KSRV-N342315-O0808, KSRV-N342315-O1508, KSRV-N342315-O1515, KSRV-N342315-O2515, 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-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-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-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-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-M402315-O0808, KSRV-M402315-O1508, KSRV-M402315-O1515, KSRV-M453415-O0808, KSRV-M453415-O1508, KSRV-M453415-O1515, KSRV-M453415-O2515, KSRV-M453415-O2525, KSRV-M534315-O0808, KSRV-M534315-O1508, KSRV-M534315-O1515, KSRV-M534315-O2515, KSRV-M534315-O2525, KSRV-M534315-O3725, KSRV-M606025-O0808, KSRV-M606025-O1508, KSRV-M606025-O1515, KSRV-M606025-O2515, KSRV-M606025-O2525, KSRV-M606025-O3725, KSRV-M606025-O3737, KSRV-M806030-O0808, KSRV-M806030-O1508, KSRV-M806030-O1515, KSRV-M806030-O2515, 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