

1. **EU-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**

3. EU-Type Examination Certificate Number: **EESF 19 ATEX 024X**

4. Product: **RG... series sockets, VG... series plugs, DVG... series limit switches**

Certified types: **RG..., VG..., DVG...**

5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**

6. Address: **195176, Saint Petersburg, Revolutsii road, 18, lit. A**

Russian Federation

7. This product 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 report No. RU/CCVE/ExTR18.0012/00.

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

EN 60079-0:2012/A11:2013 EN 60079-1:2014 EN 60079-31:2014

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

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 db IIC T6...T5 Gb
II 2 D Ex tb IIIC T60°C...T100°C Db
IP66

Espoo, 25.6.2019

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 024X**

15. **Description of Product**

Equipment and systems covered by this certificate are as follows:

RG... series sockets and VG... series plugs are intended for connection of stationary and portable equipment.

RG... series socket is a composite product, the elements of which are the socket and an enclosure with a cover. A switch and feeding contacts are installed in the enclosure. VG... series plug is an enclosure with contacts and threaded entry for cable gland installation.

Power is supplied to contacts of RG... series sockets by means of VG... series plug connection and rotation it to 45°. This action closes internal switch which supplies power to the contacts.

DVG... series limit switches are intended for switching electric control, signaling circuits and for control of position of moving parts of mechanisms under the impact of the controlling stops at the defined travel points of the controlled object.

Limit switches are cylindrical enclosures with a bushing with rod from one side and threaded entry for cable gland installation from the other side. The rod is used for activation of the contact block installed inside the enclosure and is activated by the various types of lever units fastened to the enclosure of limit switches.

The enclosures of RG... series sockets, VG... series plugs and DVG... series limit switches are made of aluminum alloy. Grounding elements are made of stainless steel.

Additional information is given in the Annex.

16. **Report Number**

RU/CCVE/ExTR18.0012/00

17. **Specific Conditions of Use**

1. The cable glands and other devices which can be mounted on the sockets or plugs shall be subject to separate certification as Ex-equipment and shall not invalidate the type of protection and degree of protection IP and correspond to the connecting thread, size and type of the inserted cable. To guarantee the degree of protection IP66, the installation of the threaded coupling accessories shall be performed in accordance with the installation instructions of these accessories. Unused holes may be closed with certified blanking elements.
2. Installation and mounting of connectors sockets and plugs shall be in accordance with the operation, safety and maintenance manual LGSA.1.020.2018.

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**

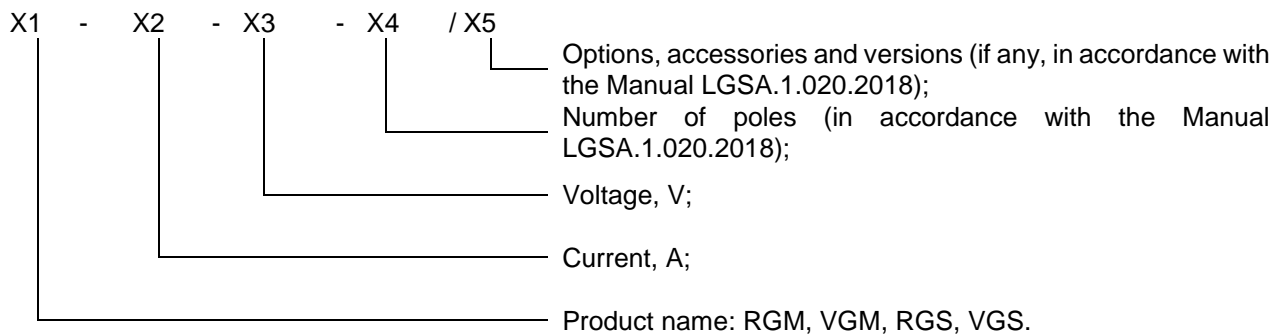
Drawings and documents are listed in the confidential report RU/CCVE/ExTR18.0012/00.

Annex

Technical characteristics

Type of product	Maximum voltage, V	Alternating current frequency, Hz	Maximum current, A	Ambient temperature range, °C	Temperature class	Maximum surface temperature, °C	Degree of protection (EN 60529)
RGM-16... VGM-16...	415 AC/DC	50/60	16	-60 ... +40	T6	60	IP66
				-60 ... +50	T6	60	
				-60 ... +60	T6	70	
				-60 ... +85	T5	95	
RGM-32... VGM-32...	415 AC/DC		32	-60 ... +40	T6	60	
				-60 ... +50	T6	65	
				-60 ... +60	T6	75	
				-60 ... +85	T5	100	
RGS... VGS...	690 AC/DC		63	-60 ... +40	T6	60	
				-60 ... +50	T6	65	
				-60 ... +60	T6	75	
				-60 ... +85	T5	100	

Structure of designation of RG... series sockets and VG... series plugs

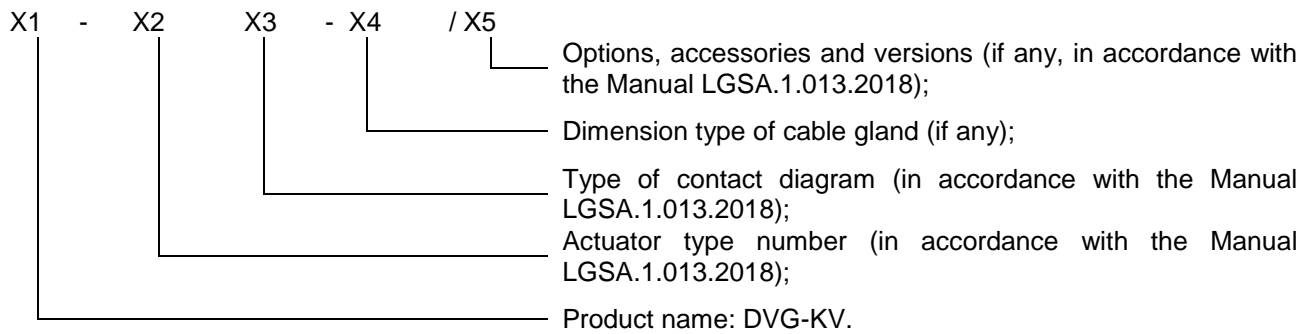


The equipment can have additional designation "QFM..." or "UVG..." in accordance with "ZAVOD GORELTEX" Co. Ltd. classifier.

Technical characteristics

Type of product	Maximum voltage, V	Alternating current frequency, Hz	Maximum current, A	Ambient temperature range, °C	Temperature class	Maximum surface temperature, °C	Degree of protection (EN 60529)
DVG...	400 AC/ 250 DC	50/60	10	-60 ... +60	T6	70	IP66

Structure of designation of DVG... series limit switches



The equipment can have additional designation “QFM...” or “UVG...” in accordance with “ZAVOD GORELTEX” Co. Ltd. classifier.