

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 039U**
4. Product: **Sockets**
Certified types: **RG...**
5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**
6. Address: **195176, 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 report No. RU/CCVE/ExTR19.0001/00.
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. 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 db IIC Gb
II 2 D Ex tb IIIC Db
IP54/IP66

Espoo, 14.10.2019
Eurofins Expert Services Oy

Tony Myllylä
Expert

Ilkka Riihimäki
Expert

This document is digitally signed.



13. **Schedule**

 14. **EU-Type Examination Certificate EESF 19 ATEX 039U**

 15. **Description of Product**

Ex Component(s) covered by this certificate are as follows:

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

RG... series socket is a cylindrical enclosure with a contact block intended for installation on the wall or cover of Ex-certified enclosures with the type of protection "flameproof enclosure "d" and relevant the IP degree of protection. Connection of socket and the enclosure is implemented by threaded joint in accordance with the requirements of EN 60079-1. The socket is equipped with mechanical interlock mechanism, which is operated by movable pin. VG... series plug, covered by a separate ATEX certificate, shall be used with RG... series socket for provision of explosion protection of the product. Power is supplied to RG... series sockets contacts by means of VG... series plug connection and rotation it to 45°. Plugs and sockets shall only be energized when correctly engaged with each other.

Metric threads with a tolerance Class of 6g or better according to ISO 965-1 and ISO 965-3.

When the plug is disconnected, the socket is closed through a screwed cover to guarantee the IP66 degree of protection. If the socket is positioned connector down, ingress protection degree is IP66 as per EN 60529; if the position is other, ingress protection degree is IP54 as per EN 60529.

Service temperature (Ts): minus 60°C...+130°C.

Type of product	Maximum voltage, V	Alternating current frequency, Hz	Maximum current, A	Type of connecting thread
RGVK-16...	415 AC/DC	50/60	16	M84 x 1,5
RGVK-32...	415 AC/DC		32	M98 x 1,5
RGVK-63...	690 AC/DC		63	M110 x 2

Main technical characteristics and structure of designation are given in the operation, safety and maintenance manual LGSA.1.020.2018.

 16. **Report Number**

RU/CCVE/ExTR19.0001/00

 17. **Schedule of Limitations**

1. Enclosure into which the product is mounted shall provide an option of threaded joint with indicated threads according to the requirements of EN 60079-1.
2. Installation and mounting of RG... series socket 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/ExTR19.0001/00.