



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 18.0016U

Issue No: 0

Certificate history:

Issue No. 0 (2019-01-24)

Status: **Current**

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Date of Issue: **2019-01-24**

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

Ex Component: **RG... series sockets**

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: **Flameproof enclosure "d", protection by enclosure "t"**

Marking:

Ex db 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 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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/ExTR19.0001/00](#)

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:

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 IEC 60079-1. The socket is equipped with mechanical interlock mechanism, which is operated by movable pin. VG... series plug, covered by a separate IECEx 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 IEC 60529; if the position is other, ingress protection degree is IP54 as per IEC 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.

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 IEC 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.