



ATEX



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No.: IECEX COVE 18.0006X Issue No: 0 Certificate history Issue No. 0 (2018-09-14)

Status: Current Page 1 of 4

Date of issue: 2018-09-14

Applicant: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

Equipment: Junction boxes types SHORV..., SHORVA..., KKV...
Optional accessory: ...

Type of Protection: Flameproof enclosure "Y", protection by enclosure "Y"

Marking: Ex db IIB T6, T4 Gb
Ex db IIB+T6, T4 Gb
Ex db IIC T6, T4 Gb
Ex db IIC T60°C, T120°C Gb
IP66/IP67

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

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.

Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No.: IECEX COVE 18.0006X Issue No: 0 Certificate history Issue No. 0 (2018-09-14)

Status: Current Page 1 of 3

Date of issue: 2018-12-06

Applicant: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

Equipment: Control stations (push buttons, switches, control and indication units) PKV..., PPO..., KV..., series

Optional accessory: ...

Type of Protection: Flameproof enclosure "Y", protection by enclosure "Y"

Marking: Ex db IIB T6, T5 Gb
Ex db IIB+T6, T5 Gb
Ex db IIC T6, T5 Gb
Ex db IIC T60°C, T100°C Gb
IP66/IP67

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of CB COVE

Position: Head of CB COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/54/EU

EU-Type Examination Certificate Number: EESF 18 ATEX 048X

Product: Junction boxes

Certified types: SHORV..., SHORVA..., KKV...

Manufacturer: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. 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 2014/54/EU of the European Parliament and of the Council, dated 28 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. RUCCVE/EXTR18.0006/00

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012) 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:

Ex db IIB T6, T4 Gb
Ex db IIB+T6, T4 Gb
Ex db IIC T6, T4 Gb
Ex db IIC T60°C, T120°C Gb
IP66/IP67

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/54/EU

Reference: VTT 17 ATEX 047U

Component: Empty flameproof enclosures

Certified types: SHORV... and PKV...

Manufacturer: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

6. This component and any acceptable variations thereto are specified in the schedule and possible supplement(s) to this Certificate and the documents therein referred to.

7. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 21 of the Directive 2014/54/EU of February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system 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. RUCCVE/EXTR16.0006/01 and RUCCVE/EXTR18.0006/00

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
EN 60079-1 (2014)
EN 60079-31 (2014)

9. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a base for a complete certification of electrical equipment.

10. This EU-Type examination certificate relates only to the design, examination and tests of the specified component in accordance to the Directive 2014/54/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/54/EU

Reference: VTT 17 ATEX 048U

Component: Empty flameproof enclosures

Certified types: SHORVA... and KKV...

Manufacturer: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

6. This component and any acceptable variations thereto are specified in the schedule and possible supplement(s) to this Certificate and the documents therein referred to.

7. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 21 of the Directive 2014/54/EU of February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system 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. RUCCVE/EXTR16.0007/00

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
EN 60079-1 (2014)
EN 60079-31 (2014)

9. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a base for a complete certification of electrical equipment.

10. This EU-Type examination certificate relates only to the design, examination and tests of the specified component in accordance to the Directive 2014/54/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Ex COMPONENT CERTIFICATE

Certificate No.: IECEX COVE 18.0006U Issue No: 3 Certificate history Issue No. 3 (2018-09-13)
Issue No. 2 (2018-04-29)
Issue No. 1 (2017-04-14)
Issue No. 0 (2016-11-03)

Status: Current Page 1 of 5

Date of issue: 2018-09-13

Applicant: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

Ex Component: Empty flameproof enclosures types SHORV..., PKV...

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 "Y", protection by enclosure "Y"

Marking: Ex db IIB+T6 Gb
Ex db IIC Gb
Ex db IIC Gb
IP66/IP67

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Ex COMPONENT CERTIFICATE

Certificate No.: IECEX COVE 18.0006U Issue No: 1 Certificate history Issue No. 1 (2018-09-13)
Issue No. 0 (2016-11-03)

Status: Current Page 1 of 5

Date of issue: 2018-09-13

Applicant: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

Ex Component: Empty flameproof enclosures types SHORVA..., KKV...

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 "Y", protection by enclosure "Y"

Marking: Ex db IIC Gb
Ex db IIC Gb
IP66/IP67

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/54/EU

Reference: VTT 17 ATEX 047U Issue 1

Component: Empty flameproof enclosures

Certified types: SHORV... and PKV...

Manufacturer: "ZAVOD GORELTEX" Co. Ltd.
195176, Saint Petersburg, Revolutskiy road, 18, St. A
Russian Federation

6. This component and any acceptable variations thereto are specified in the schedule and possible supplement(s) to this Certificate and the documents therein referred to.

7. Eurofins Expert Services Ltd, notified body number 0537, in accordance with Article 21 of the Directive 2014/54/EU of February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system 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. RUCCVE/EXTR16.0006/02, RUCCVE/EXTR16.0006/01 and RUCCVE/EXTR16.0006/00

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
EN 60079-1 (2014)
EN 60079-31 (2014)

9. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a base for a complete certification of electrical equipment.

10. This EU-Type examination certificate relates only to the design, examination and tests of the specified component in accordance to the Directive 2014/54/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

Approved for issue on behalf of the IECEX Alexander Zolgin
Certification Body: Head of NANO COVE

Position: Head of NANO COVE

Signature: (for printed version)

Date:

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Certificate issued by: NANO COVE
Zavod ECOMASH, VUG Settlement
Lyubskoye, Moscow region
140004
Russian Federation

eurofins Expert Services

EEEF 18 ATEX 082U
Page 1 of 4

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

2. EU-Type Examination Certificate Number: **EEEF 18 ATEX 082U**

3. Product: **Empty flameproof enclosures**

4. Certified types: **SHORVA... and KKVVA...**

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

5. Address: **195176 Saint-Petersburg, Revolutail road, 18, II, A Russian Federation**

6. This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

7. 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 component 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 Nos. RU/CCVE/EX/18.000700 and RU/CCVE/EX/18.000701

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012) EN 60079-1 (2014) EN 60079-31 (2014)

9. 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.

10. This EU-Type Examination Certificate relates only to the design and construction of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

11. The marking of the product shall include the following:

II 2 G Ex db IIC Gb
II 2 D Ex db IIC Dd
+dB °C T 5 + 45 °C
IP66/IP67

Expoo. 7.11.2018
Eurofins Expert Services Oy
Tony Mylly Expert

Risto Salonen Senior Expert

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Eurofins Expert Services Oy, Kivimiehenkuja 4, FI-02100 Espoo, Finland
Tel. +358 20 52111, www.eurofins.com

eurofins Expert Services

EEEF 18 ATEX 082U
Page 1 of 5

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

2. EU-Type Examination Certificate Number: **EEEF 18 ATEX 082U**

3. Product: **Empty flameproof enclosures**

4. Certified types: **SHORVA... and PKVVA...**

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

5. Address: **195176 Saint-Petersburg, Revolutail road, 18, II, A Russian Federation**

6. This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

7. 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 Nos. RU/CCVE/EX/18.000600, RU/CCVE/EX/18.000601, RU/CCVE/EX/18.000602 and RU/CCVE/EX/18.000603

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012) EN 60079-1 (2014) EN 60079-31 (2014)

9. 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.

10. This EU-Type Examination Certificate relates only to the design and construction of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

11. The marking of the product shall include the following:

II 2 G Ex db IIB + H2 Gb
II 2 G Ex db IIC Gb
II 2 D Ex db IIC Dd
+dB °C T 5 + 45 °C
IP66/IP67

Expoo. 7.11.2018
Eurofins Expert Services Oy
Tony Mylly Expert

Risto Salonen Senior Expert

FINAS This certificate, including the schedule, may only be reproduced in its entirety and without any change.
Eurofins Expert Services Oy, Kivimiehenkuja 4, FI-02100 Espoo, Finland
Tel. +358 20 52111, www.eurofins.com

IEC **IECEx**

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 18.0130** Issue No: 0 Certificate history: Issue No. 0 (2018-11-04)

Status: **Current** Page 1 of 3

Date of Issue: **2018-12-04**

Applicant: **ZAVOD GORELTEX Co. Ltd.**
195176, Saint-Petersburg, Revolutail road, 18, II, A Russian Federation

Ex Component: **Empty enclosures type KBRV...**

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 "i", intrinsically safe electrical circuit "i", protection by enclosure "T"**

Marking:
Ex db IIC Gb
Ex db IIC Dd
Ex db IIC Dd
IP66/IP67

Approved for issue on behalf of the IECEx Certification Body: **Alexander Zalgin**
Position: **Head of CB CCVE**

Signature: (for printed version)

Date: _____

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3. The Status and authority of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by: **NANOD CCVE**
Zavod ECONOMASH, VUGI Settlement
Lyubskaya, Moscow region
160004
Russian Federation

VTT **VTT EXPERT SERVICES LTD**

EU-TYPE EXAMINATION CERTIFICATE
VTT 18 ATEX 013 (2)

1. EU-TYPE EXAMINATION CERTIFICATE

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

3. Reference: **VTT 18 ATEX 013**

4. Equipment: **Cable glands types K...**

4. Certified types: **KNV and KOV**

5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**
Saint-Petersburg, Revolutail road, 18, II, A Russian Federation

6. These equipment and any acceptable variations thereto are specified in the schedule and possible annex(es) to this Certificate and the documents therein referred to.

7. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 21 of the Directive 2014/34/EU of February 2014, certifies that these equipment have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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/EX/17.000600.

8. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012
EN 60079-1:2014
EN 60079-15:2015
EN 60079-31:2014

9. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

VTT Expert Services Ltd
Kivimiehenkuja 4, Espoo
P.O. Box 165, FIN-02101 VTT, Finland

Tel. + 358 20 722 111

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Eurofins Expert Services Oy, Kivimiehenkuja 4, FI-02100 Espoo, Finland
Tel. +358 20 52111, www.eurofins.com

VTT **VTT EXPERT SERVICES LTD**

EU-TYPE EXAMINATION CERTIFICATE
VTT 18 ATEX 022U (2)

1. EU-TYPE EXAMINATION CERTIFICATE

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

3. Reference: **VTT 18 ATEX 022U**

4. Component: **Control and indicating elements**

4. Certified types: **RG... operating handles
PG... switches
RG... control buttons
LG... indicating lamps**

5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**
Saint-Petersburg, Revolutail road, 18, II, A Russian Federation

6. These components and any acceptable variations thereto are specified in the schedule and possible annex(es) to this Certificate and the documents therein referred to.

7. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 21 of the Directive 2014/34/EU of February 2014, certifies that these components have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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/EX/17.000700.

8. 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)

9. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a basis for a complete certification of electrical equipment.

VTT Expert Services Ltd
Kivimiehenkuja 4, Espoo
P.O. Box 165, FIN-02101 VTT, Finland

Tel. + 358 20 722 111

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Eurofins Expert Services Oy, Kivimiehenkuja 4, FI-02100 Espoo, Finland
Tel. +358 20 52111, www.eurofins.com

IEC **IECEx**

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

Certificate No.: **IECEx CCVE 17.0004** Issue No: 0 Certificate history: Issue No. 0 (2017-08-29)

Status: **Current** Page 1 of 4

Date of Issue: **2017-08-29**

Applicant: **ZAVOD GORELTEX Co. Ltd.**
195176, Saint-Petersburg, Revolutail road, 18, II, A Russian Federation

Equipment: **Cable glands types K...**

Optional accessory: _____

Type of Protection: **Flameproof, Increased Safety, Restricted Drafting and Dust Protection by Enclosure**

Marking:
Ex db IIC Gb
Ex db IIC Dd
Ex db IIC Dd
IP66/IP67

Approved for issue on behalf of the IECEx Certification Body: **Alexander Zalgin**
Position: **Head of NANOD CCVE**

Signature: (for printed version)

Date: _____

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3. The Status and authority of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by: **NANOD CCVE**
Zavod ECONOMASH, VUGI Settlement
Lyubskaya, Moscow region
160004
Russian Federation

IEC **IECEx**

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

Certificate No.: **IECEx CCVE 17.0004U** Issue No: 0 Certificate history: Issue No. 0 (2017-11-20)

Status: **Current** Page 1 of 3

Date of Issue: **2017-11-20**

Applicant: **ZAVOD GORELTEX Co. Ltd.**
195176, Saint-Petersburg, Revolutail road, 18, II, A Russian Federation

Equipment: **Control and indicating elements: RG... operating handles, PG... switches, KG... control buttons and LG... indicating lamps**

Optional accessory: _____

Type of Protection: **Flameproof enclosure "T", protection by enclosure "T"**

Marking:
Ex db IIC Gb
Ex db IIC Dd
Ex db IIC Dd
IP66/IP67

Approved for issue on behalf of the IECEx Certification Body: **Alexander Zalgin**
Position: **Head of NANOD CCVE**

Signature: (for printed version)

Date: _____

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Zavod ECONOMASH, VUGI Settlement
Lyubskaya, Moscow region
160004
Russian Federation



СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ

ГАЗПРОМСЕРТ

