

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 035X**

4. Product: **Control and signaling stations**

Certified types: **PG...**

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/ExTR19.0009/00.

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 IEC 60079-7:2015/A1:2018
EN 60079-18:2015/A1:2017 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 G Ex db eb mb IIC T6...T5 Gb
II 2 D Ex tb IIIC T51°C...T100°C Db
IP54/IP66/IP67

Espoo, 14.10.2019
Eurofins Expert Services Oy

Tony Myllylä
Expert

This document is digitally signed.

Ilkka Riihimäki
Expert

13. **Schedule**

14. **EU-Type Examination Certificate EESF 19 ATEX 035X**

15. **Description of Product**

Equipment and systems covered by this certificate are as follows:

Control and signaling stations PG... series are used for warning by means of visual, audible, visual and audible signaling. Control and signaling stations are structurally made on the base of certified enclosures with type of protection "flameproof enclosure d".

Control and signaling stations PGS... series are intended for visual signaling in the rooms of industrial facilities, at open industrial sites and in other places where presence of explosive atmosphere is possible.

Model of the indicated series of stations: PGS-IT35 is used as a light display and information board.

Control and signaling stations PGSK... series are intended for visual and audible signaling in the rooms of industrial facilities, at open industrial sites and in other places where presence of explosive atmosphere is possible.

Control and signaling stations PGZ... series are intended for audible signaling in the rooms of industrial facilities, at open industrial sites and in other places where presence of explosive atmosphere is possible.

Control and signaling stations can be fed by electric circuit or power supply unit.

Technical characteristics of the products are given in annex.

16. **Report Number**

RU/CCVE/ExTR19.0009/00

17. **Specific Conditions of Use**

Cable glands and other devices which can be installed on the control stations are subject to a separate certification as Ex Equipment and they shall not invalidate the type of protection and IP degree of protection, and they shall comply with the connecting thread, its size and type of inserted cable. Unused entries shall be closed with blanking elements.

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/ExTR19.0009/00.

Annex

Structure of designation of control and signaling stations PG... series is given in the Operation, safety and maintenance manual LGSA.1.023.2018.

1. PGS-IT35... control and signaling station can be used as an information board for industrial purposes or in emergency warning systems.

Technical characteristics

Description of parameters	Value
Ex marking:	Ⓜ II 2 G Ex db IIC T6 Gb Ⓜ II 2 D Ex tb IIIC T75 °C Db
Maximum rated voltage:	230 VAC 36 VDC
Maximum power consumption:	2 A
Alternating current frequency, Hz:	50/60
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP66/IP67

2. PGS-SIGNAL... signaling station is used for visual signaling in hazardous areas.

Technical characteristics

Description of parameters	Value
Ex marking:	Ⓜ II 2 G Ex db IIC T6 Gb Ⓜ II 2 D Ex tb IIIC T80 °C Db
Maximum rated voltage:	230 VAC 85 VDC
Maximum power and type of used lamps:	14LED
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP66



3. PGS-VSPYSHKA ... signaling station is used for visual signaling in hazardous areas.

Technical characteristics

Description of parameters	Value
Ex marking:	Ⓜ II 2 G Ex db IIC T6 Gb Ⓜ II 2 D Ex tb IIIC T80 °C Db
Maximum rated voltage:	230 VAC 85 VDC
Maximum power and type of used lamps:	14LED, 20Xenon
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP66



4. PGSK01... visual and audible signaling station is used for visual and audible signaling in hazardous areas. Various certified sirens can be included into product structure.

Technical characteristics

Description of parameters	Value
Ex marking:	 II 2 G Ex db eb mb IIC T6 Gb  II 2 D Ex tb IIIC T80 °C Db
Maximum rated voltage:	230 VAC 85 VDC
Maximum power and type of used lamps:	14LED; 0.5Xenon
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP54/IP66



5. PGSK02... visual and audible signaling station is a warning device of signaling purpose. Various certified sirens can be included into product structure.

Technical characteristics

Description of parameters	Value
Ex marking:	 II 2 G Ex db eb mb IIC T6...T5 Gb  II 2 D Ex tb IIIC T51 °C... T100 °C Db
Maximum rated voltage:	230 VAC 36 VDC
Maximum power consumption:	16 A
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP54/IP66/IP67

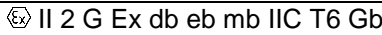
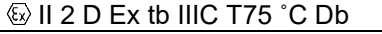
6. PGSK03... visual and audible signaling station is used for visual and audible signaling. Various certified sirens can be included into product structure.

Technical characteristics

Description of parameters	Value
Ex marking:	 II 2 G Ex db eb mb IIC T6 Gb  II 2 D Ex tb IIIC T75 °C Db
Maximum rated voltage:	230 VAC 36 VDC
Maximum power consumption:	2 A
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP54/IP66/IP67

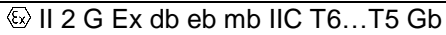
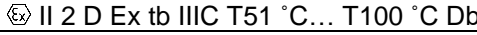
7. PGSK04... visual and audible signaling station is used as an information board, for visual and audible signaling.

Technical characteristics

Description of parameters	Value
Ex marking:	 
Maximum rated voltage:	230 VAC 36 VDC
Maximum power consumption:	2 A
Maximum ambient temperature range:	- 60 °C up to + 60 °C
Degree of protection (EN 60529):	IP54/IP66/IP67

8. PGZ-SIRENA2... audible signaling station is intended for audible signaling.

Technical characteristics

Description of parameters	Value
Ex marking:	 
Maximum rated voltage:	230 VAC 36 VDC
Maximum power consumption:	2 A
Maximum ambient temperature range:	- 60 °C up to + 85 °C
Degree of protection (EN 60529):	IP54/IP66/IP67

Indicated values of technical characteristics are maximum values. Actual values of technical characteristics will depend on the installed equipment and on the operating temperature of the equipment. Actual characteristics are specified by the manufacturer on the nameplate of the product. Actual characteristics cannot exceed values specified in the table above.

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