

[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: **CETS 22 ATEX 009 X** Issue:0

[4] Product: **Explosion-proof boxes for subsequent installation of electrical equipment**
Series: **EJB..., EJBX..., EJB2..., EJBX2..., GUB..., GUBX..., CCAC..., CCACX..., S (SC..., SCX..., SI..., SIX..., SL..., SLX..., ST..., STX..., SX..., SXX..., SZ..., SZX...)**

[5] Manufacturer: **LIMITED LIABILITY COMPANY "Company SMD"**

[6] Address: **Apartment 18, building 76, Lenin street, Togliatti city, Samara region, 445009**

[7] This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] The Certification body SIA «CE-Test», notified body number 2861 in accordance with Article 17 of the Directive 2014/34/EU of 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 Evaluation report number 009/2022 from 04.02.2022.

[9] Compliance with Essential Health and Safety Requirements has been assured by compliance with: EN IEC 60079-0:2018, 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 Specified Conditions of Safe 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 in accordance to the Directive 2014/34/EU. 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 equipment or protective system shall include the following:



| Series | Ex-marking |
|--|--|
| EJB and EJBX | <p>⊕ I M 2 Ex db I Mb;</p> <p>⊕ II 2 G Ex db IIB T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 G Ex db IIB+H2 T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 G Ex db IIC T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 D Ex tb IIIC T80°C, T95°C, T130°C or T190°C Db.</p> |
| EJB2 and EJBX2 | <p>⊕ II 2 G Ex db IIC T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 D Ex tb IIIC T80°C, T95°C, T130°C or T190°C Db.</p> |
| GUB and GUBX | <p>⊕ I M 2 Ex db I Mb;</p> <p>⊕ II 2 G Ex db IIC T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 D Ex tb IIIC T80°C, T95°C, T130°C or T190°C Db.</p> |
| CCAC and CCACX | <p>⊕ I M 2 Ex db I Mb;</p> <p>⊕ II 2 G Ex db IIC T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 D Ex tb IIIC T80°C, T95°C, T130°C or T190°C Db.</p> |
| SC, SI, SL, ST, SX. SCX, SIX, SLX, STX, SXX. SZ, SZX. | <p>⊕ I M 2 Ex db I Mb;</p> <p>⊕ II 2 G Ex db IIC T6, T5, T4 or T3 Gb;</p> <p>⊕ II 2 D Ex tb IIIC T80°C, T95°C, T130°C or T190°C Db.</p> |



Date of Certificate: 14.02.2022

Responsible person: Ing. Pavlo Khorunzhyy

Head of certification body





[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE: **CETS 22 ATEX 009 X** Issue: 0

[15] Description of Product

Explosion-proof switching boxes of the EJB..., EJBX..., EJB2..., EJBX2..., GUB..., GUBX..., CCAC..., CCACX..., S series are a shell consisting of a cover and a body. Shell material: aluminium alloy, 12X18H10T stainless steel or polyamide. Entry into the enclosure is carried out through certified ATEX cable glands.

Table 1 - Technical characteristics of EJB..., EJBX..., EJB2..., EJBX2..., GUB..., GUBX..., CCAC..., CCACX..., S series boxes.

| Name of indicator, unit of measurement | Value |
|---|--|
| Switched current AC/DC, A | 800 |
| Switched voltage AC/DC, V | 1000 |
| Ambient temperature range, °C | for T6 - from -60 °C to + 80°C for T5 - from - 60°C to + 95°C for T4 - from - 60°C to + 130°C for T3 - from - 60°C to + 180°C |
| The degree of protection of the shell in accordance with IEC 60529:2013 | IP66/IP67 |

Table 2 - Body material of EJB..., EJBX..., EJB2..., EJBX2..., GUB..., GUBX..., CCAC..., CCACX..., S series boxes.

| Series | Area of application | Material |
|--|----------------------|---|
| EJB and EJBX | For group II and III | copper-free aluminum alloy; stainless steel. |
| EJBX | For group I and III | stainless steel. |
| EJB2 and EJBX2 | For group II and III | copper-free aluminum alloy; stainless steel. |
| GUB and GUBX | For group II and III | copper-free aluminum alloy; stainless steel. |
| GUBX | For group I and III | stainless steel. |
| CCAC and CCACX | For group II and III | copper-free aluminum alloy; stainless steel. |
| CCACX | For group I and III | stainless steel. |
| SC, SI, SL, ST, SX, SZ; SCX, SIX, SLX, STX, SXX, SZX. | For group II and III | copper-free aluminum alloy; stainless steel. |
| SCX, SIX, SLX, STX, SXX, SZX | For group I and III | stainless steel. |

For a more detailed description of the design, please refer to the relevant instruction manual.

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[16] Test Report

The examination and test results are recorded in confidential Evaluation Report number 009/2022 from 04.02.2022

[17] Specific conditions of use

- electrical connectors (terminals), etc. must be installed according to the manufacturer's instructions;
- when installing explosion-proof devices in explosive dusty environments, it is necessary to carry out their regular cleaning to prevent dust accumulation on the surface of the housing;
- installation, connection and laying of cables should be carried out with the power supply turned off;
- installation and operation of heating cables should be carried out by persons who know the rules for the operation of electrical installations in explosive areas, who have read the operation manual;
- the equipment must be used with certified cable glands, adapters, plugs, drainage devices providing the required type and level of explosion protection.

[18] Essential health and safety requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information: None.

[19] Drawings and Documents

The documents are listed in the Evaluation report number 009/2022 from 04.02.2022

| Title Technical Documents | Decimal number | Date |
|--|----------------------|------|
| Explosion-proof boxes for subsequent installation of electrical equipment series - EJB, EJBX Operation Manual | SMD 346400 334 000RE | 2021 |
| Explosion-proof boxes for subsequent installation of electrical equipment series - EJB2, EJBX2 Operation Manual | SMD 346400 335 000RE | 2021 |
| Explosion-proof boxes for subsequent installation of electrical equipment series - GUB, GUBX Operation Manual | SMD 346400 336 000RE | 2021 |
| Explosion-proof boxes for subsequent installation of electrical equipment series - CCAC, CCACX Operation Manual | SMD 346400 337 000RE | 2021 |
| Explosion-proof boxes for subsequent Installation of electrical Equipment series – S, models: SC, SI, SL, ST, SX, SCX, SIX, SLX, STX, SXX, SZ and SZX Operation Manual | SMD 346400 338 000RE | 2021 |

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| | | |
|--|-----------------------|---|
| Drawing of series EJB | SMD 346400 337 000 BO | - |
| Drawing of series EJBX | SMD 346400 492 000 BO | - |
| Drawing of series EJB2 | SMD 346400 521 000 BO | - |
| Drawing of series EJBX2 | SMD 346400 522 000 BO | - |
| Drawing of series GUB | SMD 346400 334 000 BO | - |
| Drawing of series GUBX | SMD 346400 499 000 BO | - |
| Drawing of series CCACX | SMD 346400 498 000 BO | - |
| Drawing of series CCAC | SMD 346400 519 000 BO | - |
| Drawing of series S, model SCX, SIX, SLX, STX, SXX | SMD 346400 167 000 BO | - |
| Drawing of series S, model SC, SI, SL, ST, SX | SMD 346400 168 000 BO | - |
| Drawing of series S, model SZ | SMD 36400 336 000 BO | - |
| Drawing of series S, model SZX | SMD 346400 520 000 BO | - |