SIA CE-TEST
Notified body No. 2861

EN ISO/IEC 17065
S1-622

[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 014 X** **Issue:0**

[4] Product: **Explosion-proof boxes for subsequent installation of electrical equipment Series: SA..., SAX..., SAP...**

[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 014/2022 from 07.02.2022.

[9] Compliance with Essential Health and Safety Requirements has been assured by compliance with: EN IEC 60079-0:2018, EN IEC 60079-7:2015/A1:2018, 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:

Ex marking	Series
Ⓔx II 2 G Ex eb IIC T6, T5 or T4 Gb or Ⓔx II 2 D Ex tb IIIC T80°C, T95°C or T130°C Db	for SA
Ⓔx I M 2 Ex eb I Mb or Ⓔx II 2 G Ex eb IIC T6, T5 or T4 Gb or Ⓔx II 2 D Ex tb IIIC T80°C, T95°C or T130°C Db	for SAX
Ⓔx I M 2 Ex eb I Mb or Ⓔx II 2 G Ex eb IIC T6 or T5 Gb or Ⓔx II 2 D Ex tb IIIC T80°C or T95°C Db	for SAP

Date of Certificate: 15.02.2022

Responsible person: Ing. Pavlo Khorunzhyy

Head of certification body

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[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE: **CETS 22 ATEX 014 X** **Issue: 0**

[15] Description of Product

Explosion-proof switching boxes of the SA..., SAX..., SAP... series are a shell consisting of a cover and a body. Shell material: aluminium alloy, AISI 321, 316 stainless steel or polyamide. Entry into the enclosure is carried out through certified ATEX cable glands.

Table 1 - Technical characteristics of SA..., SAX..., SAP 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
The degree of protection of the shell in accordance with IEC 60529:2013	IP66/IP67

Table 2 - Body material SA..., SAX..., SAP series boxes.

Series boxes	Group of application	Material
Series SA	For group II and III	Aluminum alloy
Series SAX	For group I, II and III	Stainless steel.
Series SAP	For group I, II and III	Polyamide

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

[16] Test Report

The examination and test results are recorded in confidential Evaluation Report number 014/2022 from 07.02.2022

[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 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 and terminal blocks 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 014/2022 from 07.02.2022

Title Technical Documents	Decimal number	Date
Explosion-proof boxes for subsequent installation of electrical equipment series – SA, SAX, SAP Operation Manual	SMD 640000 254 000RE	2021
Drawing of series SA	SMD 640000 254 000 BO	-
Drawing of series SAX	SMD 346400 456 000 BO	-
Drawing of series SAP	SMD 346400 121 000 BO	-
Method for calculating the maximum number of terminals	SMD 346400 334 901PZ	2021