

KSC POLAND Sp. z o.o.

(1) **EU-TYPE EXAMINATION CERTIFICATE**

- (2) **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**
- (3) EU-Type Examination
Certificate No.: **KSCP 23ATEX0023U**, Issue: 0
- (4) Product: **EX Aluminium Enclosure SG-EX***** series**
- (5) Manufacturer: **SEGIBIZ Co., Ltd.**
- (6) Address: **32 Saebyeoksijang-ro, Sasang-gu, Busan, Korea,
Republic of**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KSC POLAND Sp. z o.o., Notified Body number 2877, 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. **KSCP/AR/23/Q00291**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 **EN 60079-7:2015/A1:2018**
EN 60079-31:2014
- (10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This partial certification may be used as a basis for certification of an equipment or protective systems.
- (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 product shall include the following:

 **II 2G Ex eb IIC Gb**
II 2D Ex tb IIIC Db



Signature
President of the Board

Katowice, 22nd December, 2023

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Page 1 / 3

KSC POLAND Sp. z o.o.

SCHEDULE

(13)

(14)

CERTIFICATE No.: KSCP 23ATEX0023U, Issue:0

(15) Description of Product:

EX Aluminium Enclosure SG-EX***** series is an empty enclosure. Its design adopts increased safety "eb" and dust ignition protection by enclosure "tb". Cover and base is made of ALDC12.1 aluminium. Cover is fixed with 4 wrench bolts that is made of steel. Degree of protection is provided by gasket that is made of silicone. There are 3 earthing points for both internal and external earthing. For internal earthing, one for each cover and base. For external earthing, only one earthing point on the base. Earthing connection has been made by M4/8 steel bolt.

Rating:

Size	Acc. table in manual
Service temperature range	-20°C to +80°C
Ingress protection:	IP 66

(16) Report Number:

– **KSCP/AR/23/Q00291**

(17) Schedule of Limitations:

- The empty enclosure with a coating of polyester powder must not be used in areas affected by charge producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
- In order to ensure the ingress protection IP, the cover of the empty enclosure, the base of empty enclosure, the sealing frame and other Ex-components must be properly installed and with the appropriate torque.
- This Ex component enclosure shall only be used in locations with a low risk of impact or shall be protected from mechanical impact.
- Entries shall be done with the respect for size, location, and number permitted by the enclosure manufacturer.
- This component is not intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmosphere. Installation of electrical equipment requires a further assessment by an ExNB.

(18) Essential Health and Safety Requirements:

Essential Health and Safety Requirements are ensured by conformity with standards listed at item 9 of this certificate.



KSC POLAND Sp. z o.o.

SCHEDULE

CERTIFICATE No.: KSCP 23ATEX0023U, Issue:0

(13)

(14)

(19) Drawings and Documents:

– Documentation agreed, provided by manufacturer:

Title	Drawing No.	Rev.	Date
SG-EX617148	EX-AL-001	0	2022.11.02
SG-EX709352	EX-AL-002	0	2022.11.02
SG-EX127052	EX-AL-003	0	2022.11.02
SG-EX157055	EX-AL-004	0	2022.11.02
SG-EX111152	EX-AL-005	0	2022.11.02
SG-EX177055	EX-AL-006	0	2022.11.02
SG-EX101008	EX-AL-007	0	2022.11.02
SG-EX121462	EX-AL-008	0	2022.11.02
SG-EX121208	EX-AL-009	0	2022.11.02
SG-EX802308	EX-AL-010	0	2022.11.02
SG-EX121908	EX-AL-011	0	2022.11.02
SG-EX161609	EX-AL-012	0	2022.11.02
SG-EX122209	EX-AL-013	0	2022.11.02
SG-EX162110	EX-AL-014	0	2022.11.02
SG-EX162609	EX-AL-015	0	2022.11.02
SG-EX233312	EX-AL-016	0	2022.11.02
SG-EX-AL PLATE & MARKING	EX-AL-017	3	2023.11.09

– User Manual:

Title:	Document No.:	Rev. Level:	Date:
EX Aluminum Enclosure Series Instruction manual	SGF-0708-05	2	2023.11.16

A detailed list of documents necessary to identify the approved type is included in the Report referred to in point 16 of this certificate.

(20) Certificate history:

Issue	Issue date	Notes
0	22 nd December, 2023	Initial certification

