

**KR HELLAS LTD.**  
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**KR HELLAS**

**Certificate No:**  
**KRH 12 ATEX 0004U**

This consists of 3 pages.  
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1. **EC-TYPE EXAMINATION CERTIFICATE**

2. Equipment and protective system intended for use in potentially explosive atmospheres:  
**Directive 94/9/EC**

3. EC-Type-examination Certificate Number:

**KRH 12 ATEX 0004U**

4. Equipment: **Junction Box without terminal block type SG-AL-6171-48(4P), SG-AL-7093-52(6P), SG-AL-1270-52(10P), SG-AL-1111-52(12P), SG-AL-1770-55(15P), SG-AL-1214-62(20P), SG-AL-8023-08(20P-T), SG-AL-1219-08(30P), SG-AL-1626-09(40P)**

5. Manufacturer: **SEGIBIZ Co. Ltd.**

6. Address: **32, Saebyeoksijang-ro, Sasang-gu, Busan 617-050 Korea**

7. This equipment or protective systems and any acceptable variation thereto are specified in the schedule to certificate and the documents therein referred to.

8. The KRH certifies that equipment has 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, give in Annex II to the Directive 94/9/EC of 23 March 1994. The examination and test results are recorded in the confidential documents number KRH-ATEX-0004-2012.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2009 EN 60079-7:2007**

10. The sine "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system

11. This EC-Type-examination Certificate relates only to the design and construction of the specified equipment or protective systems in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment or protective systems.

This certificate is issued at Athens on 27<sup>th</sup> December 2012, under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.

Reissued at Athens on 21<sup>th</sup> June 2013, due to the change of the 17 Special conditions for safe use.



Notified Body No.2198



*Kwon Jae-Geun*  
**CEO of KR Hellas Ltd**

*Any person not a party to the contract pursuant which this document is delivered may not assert a claim against KRH for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personal of KRH in establishment or issuance of this document, and in connection with any activities for which it may provide. In this provision KRH shall mean the KR Hellas Ltd. as well as all its subsidiaries, directors, officers, employees and any other acting on behalf of KR Hellas Ltd.*



12. The marking of the equipment shall include the following:

II 2 Gb Ex e II IP67

- 13.

## SCHEDULE

14. **EC-Type-examination Certificate KRH 12 ATEX 0004U**  
15. **Description of equipment or protective system**

The Junction Box without terminal block type SG-AL-6171-48(4P), SG-AL-7093-52(6P), SG-AL-1270-52(10P), SG-AL-1111-52(12P), SG-AL-1770-55(15P), SG-AL-1214-62(20P), SG-AL-8023-08(20P-T), SG-AL-1219-08(30P), SG-AL-1626-09(40P) are designed for max 15 A and not provided terminal block. The enclosures of junction boxes are made in aluminum alloy. This product is protection of type 'e'. Products were junction boxes without any components inside and electrical connections were intended by installer in the field.

### Specification of equipment

#### 1) Type designation

Terminal Boxes Type designation	Description (Size D x W x H) mm , Fixing screw type
<b>SG-AL-6171-48(4P)</b>	61 x 71 x 48.8, M4: Machine screw = d 4mm, P 0.7mm
<b>SG-AL-7093-52(6P)</b>	70 x 93 x 52, M4: Machine screw = d 4mm, P 0.7mm
<b>SG-AL-1270-52(10P)</b>	70 x 128 x 52, M4: Machine screw = d 4mm, P 0.7mm
<b>SG-AL-1111-52(12P)</b>	110 x 110 x 53, M4: Machine screw = d 4mm, P 0.7mm
<b>SG-AL-1770-55(15P)</b>	70 X 172 x 54, M5: Machine screw = d 5mm, P 0.8mm
<b>SG-AL-1214-62(20P)</b>	125 x 145 x 62, M5: Machine screw = d 5mm, P 0.8mm
<b>SG-AL-8023-08(20P-T)</b>	80 x 235 x 80, M5: Machine screw = d 5mm, P 0.8mm
<b>SG-AL-1219-08(30P)</b>	125 x 190 x 80.5, M6: Machine screw = d 6mm, P 1,0mm
<b>SG-AL-1626-09(40P)</b>	161.8 x 263 x 90, M6: Machine screw = d 6mm, P 1,0mm

#### 2) Marking :

II 2 G 2198

CER'T NO.: KRH 12 ATEX 0004U

PROTECTION GRADE: Ex e II, IP67

Model name : SG-AL-\*\*\*\*-\*\*(P)

SEGIBIZ Co., Ltd.

145-54, Gamjeon-dong, Sasang-gu, Busan, Korea

#### 3) WARNING : Refer to the installation manual for installing junction box.

The equipment shall also bear the usual marking required by the manufacturing standards applying to such equipment.



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**16. Descriptive documents**

Certification file No. KRH-ATEX-0004-2012 dated 2012/12/21.

**17. Special conditions for safe use**

For products of end use, the test in accordance with EN 60079-7 Cl.6.7 shall be carried out including terminal for connection, in addition, they should be checked classification of maximum surface temperature (Temp. Class T1 ~ T6).

**18. Essential Health and Safety Requirements**

Refer to covered by standards list at 9.

**19. Routine Verifications and Tests**

Each apparatus shall be submitted to an IP test in accordance with standard EN 60529.

*End of Certificate*

