

**IEC REPORT**

**On Behalf of**

**SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)**

**Lighting&Dimming Controls**

**Model: SB-DIM8c1A-DN, SB-DIM2c6A-DN, SB-DIM4c3A-DN, SB-DIM6c2A-DN, SB-6B0-10V-DN, SB-DIM1c10A-DN, SB-ZMix23-DN, SB-Mix24-DN, SB-CC25x1-WL, SB-CC8x1-WL, SB-2Flicker-UN, SB-DMX48-DN, SB-4LED-DCV**

**Prepared For : SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)**  
**No. 135, Huancheng Road, Mawu Village, Qiaoli, Changping Town, Dongguan City, Guangdong Province, China**  
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**Date of Test: Jan. 10, 2014 to Jan. 16, 2014**

**Date of Report: Jan. 16, 2014**

**Report Number: 201401730S**

<b>TEST REPORT</b> <b>AS/NZS 60950.1</b> <b>Information technology equipment – Safety –</b> <b>Part 1: General requirements</b>	
Reference No. ....	: 201401730S
Compiled by (+ signature) .....	: Andrew Li / Project Engineer .....
Approved by (+ signature) .....	: July Zhu / Project Manager .....
Date of issue .....	: Jan. 16, 2014
Contents .....	: 42 pages (including 4 pages of photo)
<b>Testing laboratory</b>	
Name .....	: Shenzhen Anbotek Compliance Laboratory Limited
Address .....	: 1/F., Building 1, SEC Industrial Park, No.0409 Qianhai Road, Nanshan District, Shenzhen, Guangdong, China
Testing location .....	: Same as above
<b>Client</b>	
Name .....	: SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)
Address .....	: No. 135, Huancheng Road, Mawu Village, Qiaoli, Changping Town, Dongguan City, Guangdong Province, China
<b>Test specification</b>	
Standard .....	: AS/NZS 60950.1:2011 with amendments 1
Test procedure .....	: N.A.
Procedure deviation .....	: N.A.
Non-standard test method .....	: N.A.
<b>Test item</b>	
Description .....	: Lighting&Dimming Controls
Trademark .....	:  
Model and/or type reference .....	: SMART-BUS/ PREUSSEN/ S-MESH SB-DIM8c1A-DN, SB-DIM2c6A-DN, SB-DIM4c3A-DN, SB-DIM6c2A-DN, SB-6B0-10V-DN, SB-DIM1c10A-DN, SB-ZMix23-DN, SB-Mix24-DN, SB-CC25x1-WL, SB-CC8x1-WL, SB-2Flicker-UN, SB-DMX48-DN, SB-4LED-DCV
Manufacturer .....	: SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)
Address .....	: No. 135, Huancheng Road, Mawu Village, Qiaoli, Changping Town, Dongguan City, Guangdong Province, China
Factory .....	: SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)

Address .....	: No. 135, Huancheng Road, Mawu Village, Qiaoli, Changping Town, Dongguan City, Guangdong Province, China
Rating(s) .....	: DC 24V

Anbotek

**Test item particulars** .....: Lighting&Dimming Controls

Equipment mobility .....:  Movable     Hand-held     Transportable  
 Stationary     For building-in     Direct plug-in

Connection to the mains.....:  Pluggable equipment     Type A     Type B  
 Permanent connection  
 Detachable power supply cord  
 Non-detachable power supply cord  
 Not directly connected to the mains  
 built-in component, consider in end system

Operating condition .....:  Continuous  
 Rated operating / resting time:

Over voltage category (OVC) .....:  OVC I     OVC II     OVC III     OVC IV  
 Other:

Mains supply tolerance (%) or absolute mains supply values .....: according to client's requirement

Tested for IT power systems .....:  Yes     No

IT testing, phase-phase voltage (V) .....: N.A.

Class of equipment .....:  Class I     Class II     Class III  
 Not classified

Considered current rating of protective device as part of the building installation (A) .....: N.A

Pollution degree (PD) .....:  PD 1     PD 2     PD 3

IP protection class .....: IPX0

Altitude during operation (m) .....: 2000

Altitude of test laboratory (m) .....: <500

**Possible test case verdicts:**

- test case does not apply to the test object.....: N

- test object does meet the requirement.....: P (Pass)

- test object does not meet the requirement.....: F (Fail)

**Testing**.....:

Date of receipt of test item .....: Jan. 10, 2014

Date(s) of performance of tests .....: Jan. 10, 2014 to Jan. 16, 2014

**General remarks**

This test report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(see remark #)" refers to a remark appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

Remark:

1. Class III equipment used for information technology equipment.
2. The EUT can operate with full load at ambient temperature up to 40°C.
3. Clearance was evaluated for altitude up to 2000m above sea level.
4. All samples are the same except the model number. If no otherwise specified, all tests performed at the model: SB-DIM8c1A-DN

Copy of marking plate (s):

**Lighting&Dimming Controls**

**Model: SB-DIM8c1A-DN**

**Input: DC 24V**



**SMART-GROUP (Dongguan Shima  
Electronics Co., Ltd.)**