

IEC REPORT

On Behalf of

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

Relay Controllers

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: 201401731S

TEST REPORT AS/NZS 60950.1 Information technology equipment – Safety – Part 1: General requirements	
Reference No.	: 201401731S
Compiled by (+ signature)	: Andrew Li / Project Engineer
Approved by (+ signature)	: July Zhu / Project Manager
Date of issue	: Jan. 16, 2014
Contents	: 43 pages (including 5 pages of photo)
Testing laboratory	
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
Client	
Name	: SMART-GROUP (Dongguan Shima Electronics Co., Ltd.)
Address	: No. 135, Huancheng Road, Mawu Village, Qiaoli, Changping Town, Dongguan City, Guangdong Province, China
Test specification	
Standard	: AS/NZS 60950.1:2011 with amendments 1
Test procedure	: N.A.
Procedure deviation	: N.A.
Non-standard test method	: N.A.
Test item	
Description	: Relay Controllers
Trademark	:  
Model and/or type reference.....	: SMART-BUS/ PREUSSEN/ S-MESH SB-RLY12c10A-DN, SB-RLY4c20A-DN, SB-RLY6c16A-DN, SB-RLY8c16A-DN, SB-3R-UN, SB-2R-UN, SB-MIX24-DN, SB-ZMix23-DN, SB-3Sbell-WL, SB-BedSd-UN, SB-3SBXS-WL, SB-3SCARD-WL, SB-Impulse-UN, SB-IO-UN, SB-eAux2-WL, SB-HotelSd-UN, SB-H3S-WL
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	Relay Controllers
Equipment mobility	<input checked="" type="checkbox"/> Movable <input type="checkbox"/> Hand-held <input type="checkbox"/> Transportable <input type="checkbox"/> Stationary <input type="checkbox"/> For building-in <input type="checkbox"/> Direct plug-in
Connection to the mains	<input type="checkbox"/> Pluggable equipment <input type="checkbox"/> Type A <input type="checkbox"/> Type B <input type="checkbox"/> Permanent connection <input type="checkbox"/> Detachable power supply cord <input type="checkbox"/> Non-detachable power supply cord <input checked="" type="checkbox"/> Not directly connected to the mains <input type="checkbox"/> built-in component, consider in end system
Operating condition	<input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Rated operating / resting time:
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input checked="" type="checkbox"/> Other:
Mains supply tolerance (%) or absolute mains supply values	according to client's requirement
Tested for IT power systems	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
IT testing, phase-phase voltage (V)	N.A.
Class of equipment	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III <input type="checkbox"/> Not classified
Considered current rating of protective device as part of the building installation (A)	N.A.
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> 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-RLY12c10A-DN

Copy of marking plate (s):

Relay Controllers

Model: SB-RLY12c10A-DN

Input: DC 24V



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