DEGREES OF PROTECTION PROVIDED BY ENCLOSURES PATTERN TEST REPORT

Test Standard： IEC 60529(2001)

Date of Receipt： 2016 / 02 / 18

Test Date： 2016 / 02 / 22 ～ 2016 / 02 / 24

Result of determination this subclass type experiment： **PASS(IP65)**

1. Issue date for test report： 2016 / 03 / 15
2. Report No：16021804
3. Total pages：7
4. Test report without steel stamp is not valid, and shall not be reproduced except in full.
5. Test sample is not sampling by laboratory, test result relate only to the items tested.
6. Test report is not responsible for advertisement or promotion for products.

Approved Signatory:

TPSI 毅豐光電股份有限公司　燈具實驗室
Taiwan Photometric Solution Inc

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Issue date for test report：2016/03/15
Report No:16021804

Test Report

Information for test items

Applicant：TAIWAY ELECTRONICS COMPONENTS CO., LTD.

Applicant's address：6F, No.4, Lane 359, Section 2 ZhongShan Road, ZhongHe
District, New Taipei City, Taiwan

Manufacturer：TAIWAY ELECTRONICS COMPONENTS CO., LTD.

Manufacturer's address：6F, No.4, Lane 359, Section 2 ZhongShan Road,
ZhongHe District, New Taipei City, Taiwan

Product：Anti-Vandal M22 Pushbutton Switches (AV series)

Model No. ：AV02L-B12-M3-FR-G-24V

Series model：AVx-B1x-x-x-x-x(X=0~220, A-Z)

Uses the place：☐in door　　■out door

Test Standard：■IEC 60529　☐IEC 60598-1

Application test rank：IP65

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Test content

Test Levels	Test standard (IEC 60529)	Result of test	Determination
	Temperature：25.2 ℃　Humidity：54.1 ％RH		
IP6X	Degrees of protection against access to hazardous parts and protection against solid foreign objects indicated by the first characteristic numeral		PASS
	The test wire of 1.0 mm shall not penetrate and adequate clearance shall be kept.	Not penetrate and adequate clearance be kept.	
	The enclosure shall be deemed category 1, whether reductions in pressure below the atmospheric pressure are present or not. The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	No dust into the test box.	
IPX5	Degrees of protection against water indicated by the second characteristic numeral		PASS
	Water projected in jets against the enclosure from any direction shall have no harmful effects (projected against water jets) delivery rate：12.5 ℓ±5%、minimum test duration：3min、Distance from nozzle to enclosure surface：2.5~3m.	No water into the test box.	

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Photo of test items

The appearance of photo

The appearance of photo

Photo of test items

IP6X testing
IP6X after the test

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Photo of test items

IPX5 testing

IPX5 after the test

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Equipment list and testing engineer for test

Item	Equipment No	Equipment	Manufacturer / Type / Series No
1	99S-04	Bears the dust testing machine class dust + Floating dust	TAICHY TECHNOLOGY LTD DT-1500CF
2	99S-07	Bears the rain water testing machine	TAICHY TECHNOLOGY LTD RT-IEC-IPX5.6
3	99S-10	IP test touch and access wire	Shanghai Haiyue Electrinic / DTPP-1.0/100
			Testing engineers：Chun-Ting Liu

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