



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(IP67)**

- 1. Issue date for test report : 2016 / 03 / 15
- 2. Report No : 16021809
- 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:



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 M12 Pushbutton Switches (AV series) Model No. : AV04-B4-M1 Series model : AVx-B4x-x(X=0~220, A-Z)Uses the place : in door out door Test Standard : EIEC 60529 [IEC 60598-1 Application test rank : IP67

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PSI 毅豐光電股份有限公司 燈具實驗室 Issue date for test report : 2016/03/15 Taiwan Photometric Solution Inc Report No:16021809

70953 台南市海中街 288 號 TEL: (06)2568831 FAX: (06)2563437 E-mail = light.lab@msa.hinet.net Web = www.lightlab.com.tw

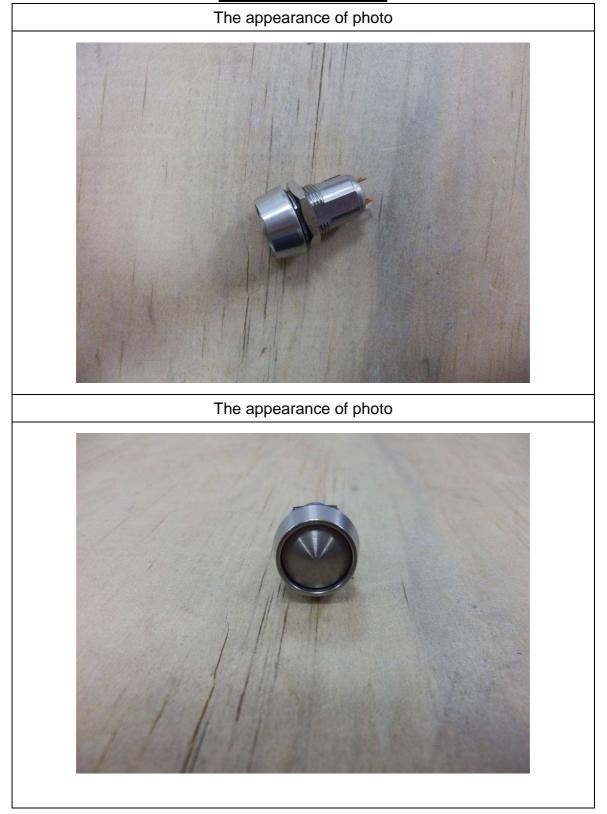
Test content

Test Levels	Test standard (IEC 60529)	Result of test	Determination	
	Temperature : 25.3 °C Humidity :	54.4 %RH		
	Degrees of protection against access to hazardous parts and protection			
	against solid foreign objects indicated by the first characteristic numeral			
IP6X	The test wire of 1.0 mm shall not	Not penetrate and		
	penetrate and adequate clearance	adequate clearance		
	shall be kept.	be kept.		
	The enclosure shall be deemed			
	category 1, whether reductions in			
	pressure below the atmospheric		PASS	
	pressure are present or not.	No dust into the test		
	The protection is satisfactory if no	box.		
	deposit of dust is observable			
	inside the enclosure at the end of			
	the test.			
	Degrees of protection against water indicated by the second characteristic			
	numeral			
	The test is made by completely			
	immersing the enclosure in water	No water into the test box.	PASS	
	in its service position as specified			
	by the manufacturer so that the			
	following conditions are satisfied			
	1) the lowest point of enclosures			
IPX7	with a height less then 850mm is			
	located 1m below the surface of			
	the water.			
	2) the highest point of enclosures			
	with a height equal to or greater			
	then 850mm is located 150mm			
	below the surface of the water.			
	3) the duration of the test is 30			
	min.			

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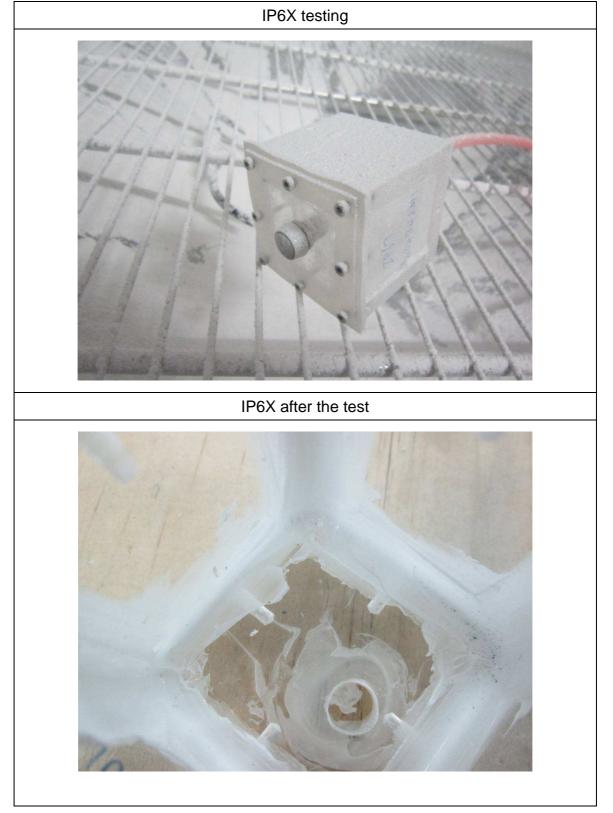
Photo of test items



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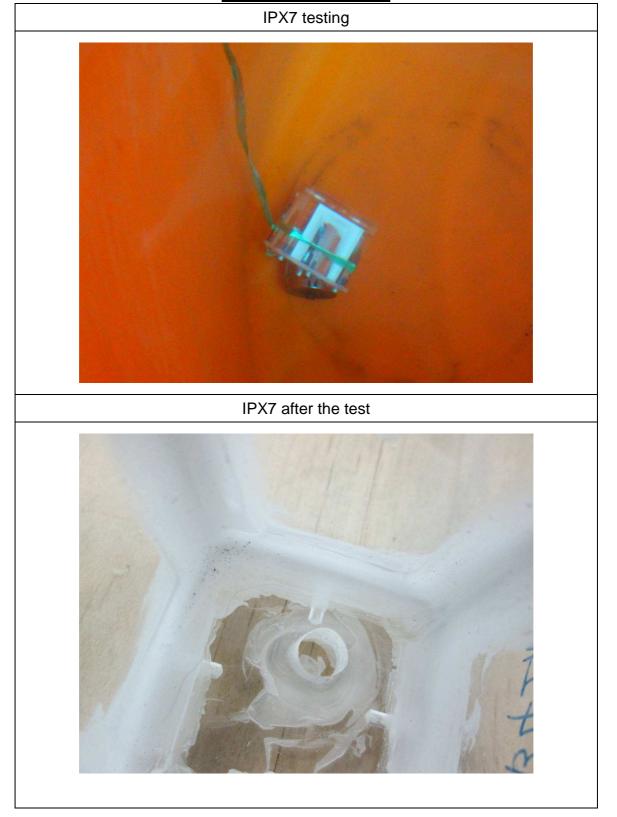
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Equipment list and testing engineer for test

Item	Equipment No	Equipment	Manufacturer / Type / Series No		
1	99S-04	Bears the dust			
		testing machine	TAICHY TECHNOLOGY LTD		
		class dust +	DT-1500CF		
		Floating dust			
2	99S-10	IP test touch and	Shanghai Haiyue Electrinic /		
		access wire	DTPP-1.0/100		
3	99S-20	Bears the rain	TAICHY TECHNOLOGY LTD RT-IEC-IPX7.8		
		water testing			
		machine	RI-IEC-IPAT.8		
	Testing engineers : Chun-Ting Liu				

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