

# DEGREES OF PROTECTION PROVIDED BY ENCLOSURES PATTERN TEST REPORT

Test Standard : IEC 60529(2013)

Date of Receipt: 2020 / 03 / 24

Test Date: 2020 / 03 / 27 ~ 2020 / 04 / 14

Result of determination this subclass type experiment: PASS(IP68)

1. Issue date for test report: 2020/04/14

2. Report No: 20032401

3. Total pages: 8

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: 4F., No.6, Lane 359, Sec.2, Jhongshan Rd., Jhonghe Dist.,

New Taipei City, Taiwan (R.O.C), 23586

Manufacturer: Taiway Electronics Components Co., Ltd.

Manufacturer's address: 4F., No.6, Lane 359, Sec.2, Jhongshan Rd., Jhonghe

Dist., New Taipei City, Taiwan (R.O.C), 23586

**Brand Name: TAIWAY** 

Product: High Performance Sealed Switches

Model No.: 100H

Series No.: 100H Series

Uses the place : ■in door ■out door

Application test rank: IP68

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# **Differential analysis explain**

Entrust bodies	Taiway Electronics Components Co., Ltd.
Model No.	100H
Series model	100H Series

Luminaires of the difference contents			
Besides market segmentation, The external structure are all the same.			

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### **Test content**

IP code	Test standard (IEC 60529)	Result - Remark	Verdict
	Degrees of protection against access to hazardous parts and protection against solid foreign objects indicated by the first characteristic numeral		
6	The test wire of 1.0 mm shall not penetrate and adequate clearance shall 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.	Not penetrate and adequate clearance be kept.  After the test does not affect the normal operation	PASS
	Degrees of protection against water indicated by the second characteristic numeral		
8	Unless there is a relevant product standard, the test conditions are subject to agreement between manufacturer and user, but they shall be more severe then those prescribed in 14.2.7 and they shall take account of the condition that the enclosure will be continuously immersed in actual use.	Placed at a water depth of 1.2 meters for 24 hours. After the test does not affect the normal operation	PASS

## Photo of test items Photo of test items

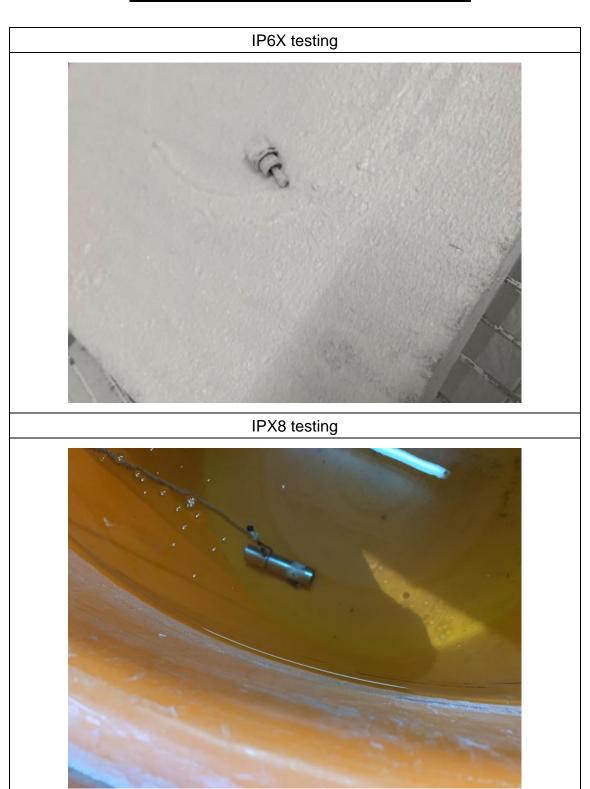
### The appearance of photo



The appearance of photo



## Photo of test items Photo of test items



# Photo of test items



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## **Equipment list and testing engineer for test**

Item	Equipment No	Equipment	Manufacturer / Type / Series No
4	1 99S-04	Bears the dust	
		testing machine	TAICHY TECHNOLOGY LTD
'		class dust +	DT-1500CF
	Floating dust		
2 99S-10	005 10	IP test touch and	Shanghai Haiyue Electrinic /
	access wire	DTPP-1.0/100	
3 99S-20	Bears the rain	TAICHY TECHNOLOGY LTD	
	99S-20	water testing	
		machine	RT-IEC-IPX7.8
			Testing engineers: Chun-Tse Liu

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