

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
Test Standard : IEC 60529 IEC 60598-1
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
6	Degrees of protection against access to hazardous parts and protection against solid foreign objects indicated by the first characteristic numeral		
	The test wire of 1.0 mm shall not penetrate and adequate clearance shall be kept.	Not penetrate and adequate clearance be kept.	PASS
	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.	After the test does not affect the normal operation	
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 than 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

IP6X testing



IPX8 testing



Photo of test items

IP68 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-10	IP test touch and access wire	Shanghai Haiyue Electric / DTPP-1.0/100
3	99S-20	Bears the rain water testing machine	TAICHY TECHNOLOGY LTD RT-IEC-IPX7.8
			Testing engineers : Chun-Tse Liu

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