

TEST REPORT

Report No.: HC50042/2016

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Date: May 31, 2016

TAIWAY ELECTRONICS COMPONENTS CO., LTD.
4F, NO. 6, LANE 359, SEC. 2,
ZHONGSHAN RD., ZHONGHE DIST.,
NEW TAIPEI CITY, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: Industrial Pushbutton Switch
Style/Item No.: 180-B1-IP65/ No.1
Manufacturer/Vendor: Taiway Electronics Components Co., Ltd.
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: May 23, 2016 to May 25, 2016
Note: (Client's declaration) The 180-B1-IP65、180-B2-IP65、180-B3-IP65、180-B4-IP65、180-B5-IP65 and 180-B6-IP65 used the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)

1. Dust Test
2. Waterproof Test

Test Results: -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of
SGS TAIWAN Ltd.



Hank Chiou
Supervisor

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1. Dust test:

Test Equipment:

Name	Brand	Model	Serial No.
Dust Tester	T-MACHINE	TMJ-9723S	T-23-110708
AC/DC Withstand Voltage/Insulation Tester	EXTECH	7142	1340019

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) ^\circ\text{C}$

Ambient humidity: $(55 \pm 20) \% \text{RH}$

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013--IP6X (Dust test)

Test method: Dust test

Sample condition: Non-Operating & Mated with fixture

Type of dust: Talcum powder

The amount of dust: 2 kg per cubic meter of the chamber volume

The maximum depression: <20 mbar

Test duration: 8 hours

- Examine the protection against ingress of dust of specimen(s) perform the withstand voltage test (1000 V_{AC}/ 50Hz, 1 minute) after this test.

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Specimen:

Style/ Item No.: 180-B1-IP65/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/Item No.	Does any dust deposit inside the enclosure at the end of the test?	Withstand Voltage Test (1000 V _{AC} , 1 minute)
180-B1-IP65/ No.1	No	No visible damage

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2. Waterproof Test:

Test Equipment:

Name	Brand	Model	Serial No.
IPX5 Water Jet Hose Nozzle Set	PTL	P03.26	5050565
AC/DC Withstand Voltage/Insulation Tester	EXTECH	7142	1340019

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) ^\circ\text{C}$

Ambient humidity: $(55 \pm 20 \% \text{ RH})$

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013--IPX5

Sample condition: Non-Operating & Mated with fixture

Internal diameter

of the nozzle: 6.3 mm

Delivery rate: 12.5 l/minute $\pm 5\%$

Distance from nozzle

to enclosure surface: between 2.5 m and 3 m

Core of the substantial

stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle

Test duration: Total 3 minutes

- Examine the protection against ingress of water of specimen(s) perform the withstand voltage test (1000 V_{AC}/ 50Hz, 1 minute) after this test.

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Specimen:

Style/ Item No.: 180-B1-IP65/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/Item No.	Does any water ingress the specimen after the test?	Withstand Voltage Test (1000 V _{AC} , 1 minute)
180-B1-IP65/ No.1	No	No visible damage

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Test Photos:



— — — The End of Test Report — — —

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