

TEST REPORT



한국산업기술시험원
Korea Testing Laboratory

Report No. : 16-025346-02

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1. Client

Name : SeoJin Instech Co., Ltd

Address : 12, Sagimakgol-ro 148beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, 462-807, Korea

Date of Receipt : 2016. 05. 03

2. Use of Report : For Quality Control

3. Test Sample

Description : Vibration Type Level Switch

Manufacturer : SeoJin Instech Co., Ltd

Model Name : SVL-25

Serial Number : -

Remark : -

4. Date of Test : 2016. 05. 24. ~ 2016. 05. 25.

5. Test Standard/Method : IEC 60529: 2001

6. Testing Environment : Temperature : (20.0 ± 2.0) °C , Humidity : (66 ± 2) % R.H.

7. Test Results : Pass (IP66)

Note : 1. The test results contained apply only to the test sample(s) supplied by the client
2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

Affirmation	Tested by	Technical Manager
	Name : Chae Hui dong (Signature)	Name : Kim Ji-hoon (Signature)

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

2016. 05. 26

Korea Testing Laboratory

Accredited by KOLAS, Republic of KOREA



87, Digital-ro 26-gil, Guro-gu, Seoul, KOREA Tel.+82-2-860-1537 Fax. +82-2-860-1549

FP202-03-03



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1. Summary of Test

1.1 Test Standard

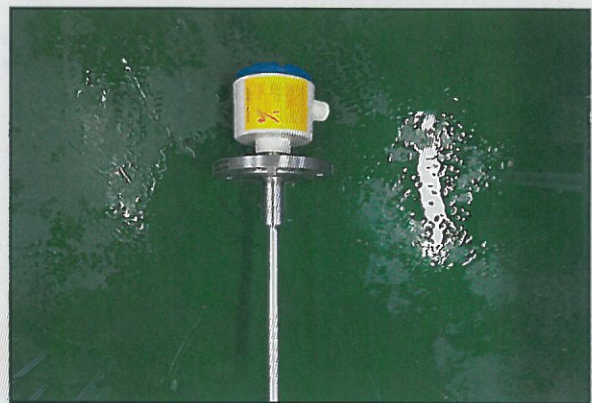
This test was conducted in accordance with "IEC 60529: 2001".

1.2 Test Sample

- Description : Vibration Type Level Switch
- Model Name : SVL-25
- Dimensions : $\Phi 121$ mm \times 163 mm
- Rating : 220 Vac, 24 Vdc



Front



Side

[Fig. 1] Test Sample

1.3 Remark

N/A

2. Results

Code Letters	IP	Conditions	Results
1st Characteristic numerals Against ingress of solid foreign objects	6	2.1 Dust Test Conditions <ul style="list-style-type: none"> Talcum powder(mesh) wire diameter : 50 μm Talcum powder(mesh) wire width : 75 μm Amount of talcum powder of the test chamber : 2 kg/m^3 2.2 Dust Test Contents <ul style="list-style-type: none"> Volume of the enclosures : About 690 cm^3 Reduction air pressure : -2.00 kPa (-200 mmH₂O) Flow rate : 0.00 LPM Extraction rate per hour : 0 volumes/h Test duration : 8 h 	Pass
2nd Characteristic numerals Against ingress of water with harmful effects	6	2.3 Water Test Conditions <ul style="list-style-type: none"> Internal diameter of the nozzle : 12.5 mm Delivery rate : 100 \times (1 \pm 5%) LPM Core of the substantial stream : Circle of 120 mm diameter at 2.5 m distance from the nozzle Distance from nozzle to enclosure surface : Between 2.8 m 2.4 Water Test Contents <ul style="list-style-type: none"> Test duration : 3 min 	Pass

※ Test Environment

- Temperature : (20.0 \pm 2.0) °C
- Humidity : (66 \pm 2) % R.H.
- Atmospheric Pressure : (101.0 \pm 2.0) kPa

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3. Test Figures



IP 6X (Dust)



IP X6 (Water)

[Fig. 2] Test Setup

4. List of Testing Equipments

Apparatus	Manufacture	Model	Serial No.	Date of Calibration	Calibration Laboratory
Thermo-hygrometer	TESTO	Testo 622	-	2016. 05. 10	KTL
Vernia Caliper	MITUTOYO	Vernia Caliper	7003344	2015. 09. 15	KTL
Nozzle	DAEKYUNG ENGINEERING	IEC 60529	-	2016. 05. 16	KTL
Dust Chamber	DAEKYUNG ENGINEERING	IEC 60529	-	2016. 05. 11	KTL

- End -

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