

TEST REPORT

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si,
Gyeonggi-do, 449-100, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01367
Page (1) / (10) pages

1. Applicant

Name: TYGER CT Corp.

Address: #818, BUILDING B, DONGTAN KUMGANG PENTERIUM IX
TOWER 27, DONGTANCHEOMDANSANEOP 1- RO
HWASEONG-SI, KOREA

Date of Receipt: 2025-05-15

2. Manufacturer

Name: Kun Hung Electric

Address: 183, Hancheon-ro, Dongdaemun-gu, Seoul, 02534 Rep. of Korea

3. Use of Report: Quality control

4. Test sample / Model: Micro switch / KH-9015-HP

5. Date(s) of test: 2025-05-20 ~ 2025-05-21

6. Test Standard (Method) used ..: IEC 60529:1989 +A1:1999+A2:2013

7. Testing Environment: Temperature: (25.0 ± 10.0) °C, Humidity: (50 ± 25) %R.H.,
Air Pressure: (96.0 ± 10.0) kPa

8. Results: Refer to 7 page

9. Location of Test: ☒ Permanent Testing Lab ☐ On Site Testing

(Address : (Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea)

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Approval

Tested by :

JaeYoon Sim


(Signature)

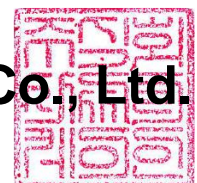
Technical Manager:

HyunSeob Lim


(Signature)

2025-05-26

CTK Co., Ltd.




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1. Testing Laboratory

1.1 Testing laboratory information

Lab. Name	CTK Co., Ltd.
Address	5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Tel.	+82-31-339-9970
Fax.	+82-31-624-9501
E-Mail	all.yongin@element.com
Website	www.elementkorea.kr

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

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2. Product description and Equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
Micro switch	KH-9015-HP	1 EA	-

2.2 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Calibration Date
Test wire (1.0 mm)	TRP-02	ED&D	SI-J15	-
Push Pull Gage	FB30K	IMADA	83805	2026.01.16
Dust Chamber	NONE	JFM	S5-IP02	2026.02.14
Stop Watch	HS-3	CASIO	129521	2026.12.13
Aneroid Barometer	BAROMEX	SATO	84682	2026.01.16
Hygro Thermograph	ST-50M	SEKONIC	HE51-000147	2025.09.26



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2.3 Pre-test product images



Front



Behind



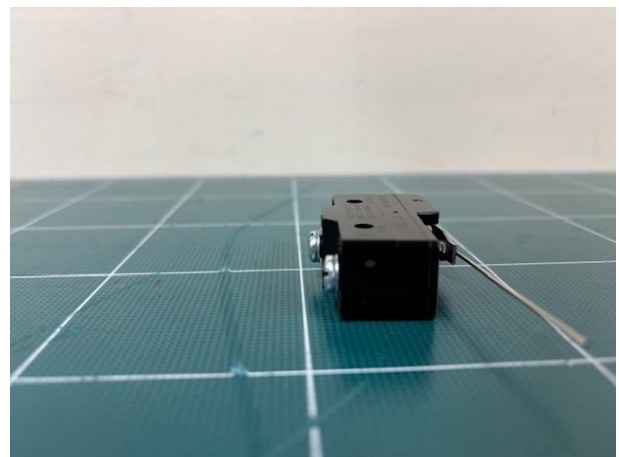
Top



Bottom



Left



Right

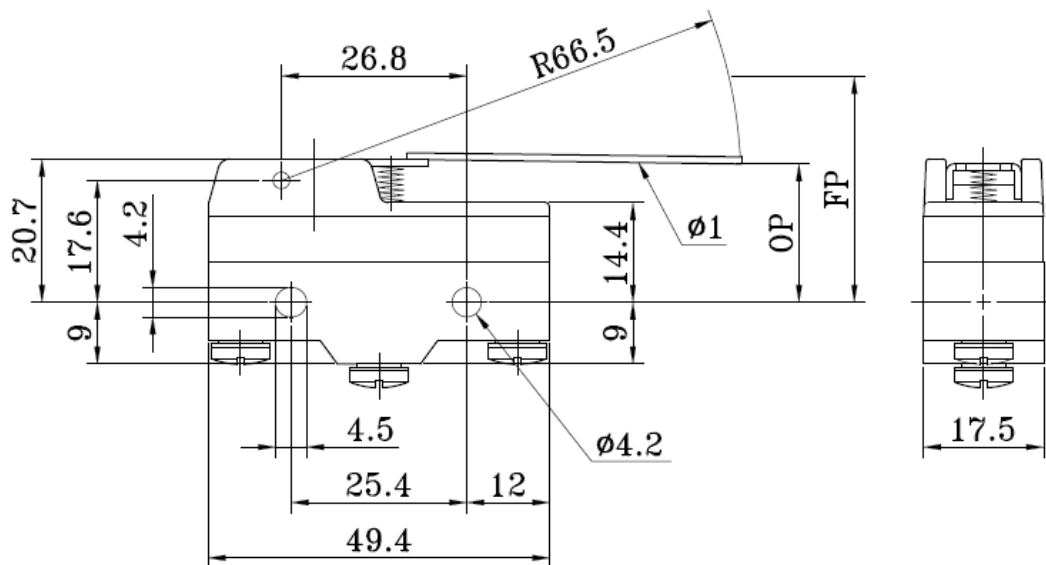


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2.4 Product Appearance



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3. Test Result

3.1 Test Result Table

IP code	Remark
IP 5X	The access probe shall not penetrate. No ingress of dust .

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4. IP Test

4.1 Test duration, Environmental conditions, and Location

4.1.1 Test Date : 20. May, 2025 ~ 21. May, 2025

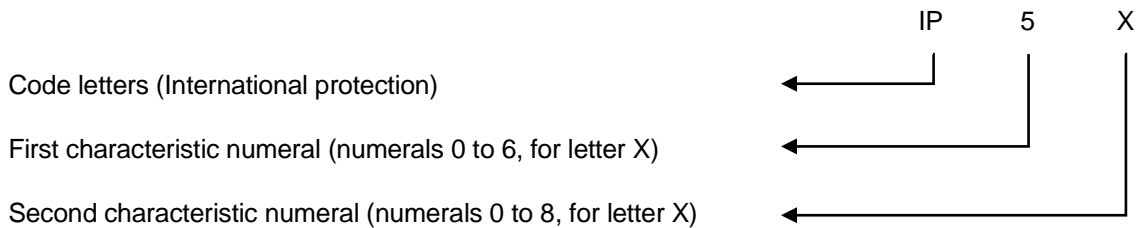
4.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.3	54.0	100.9

4.2 Test conditions

4.2.1 Test standard: IEC 60529:1989 +A1:1999+A2:2013

4.2.2 Arrangement of the IP code



4.2.2.1 Degree of protection against solid foreign objects indicated by the first characteristic numeral

First characteristic numeral	Degree of protection	Application
5	Dust Testing Equipment Whether reductions in pressure below the atmospheric pressure are present or not, ingress of dust is not totally preventive, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety. (Talcum powder have to go through the measured sieve by Φ 50 μ m wire that are spacing 75 μ m in squared, per volume and union Talcum powder have to be 2 kg/m ³)	—
	Category 2: Enclosures where no pressure difference relative to the surrounding air is present.	☒



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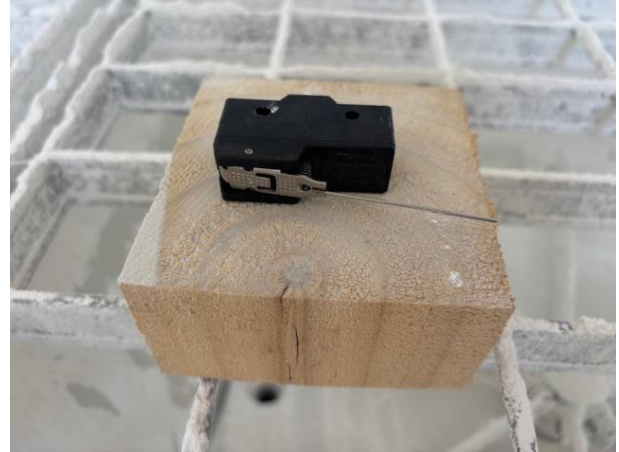
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4.3 Testing images



Dust test 1



Dust test 2



Dust chamber monitor 1

4.4 Post-Test Product Images



After Dust Test



After Dust Test

-END-

TEST REPORT



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Name: Kun Hung Electric
Address: 183, Hancheon-ro, Dongdaemun-gu, Seoul, 02534 Rep. of Korea

3. Use of Report: Quality control

4. Test sample / Model: Micro switch / KH-9015-PBF

5. Date(s) of test: 2025-05-20 ~ 2025-05-21

6. Test Standard (Method) used ..: IEC 60529:1989 +A1:1999+A2:2013



7. Testing Environment: Temperature: (25.0 ± 10.0) °C, Humidity: (50 ± 25) %R.H., Air Pressure: (96.0 ± 10.0) kPa

8. Results: Refer to 7 page

9. Location of Test: ☒ Permanent Testing Lab ☐ On Site Testing

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Approval	Tested by : JaeYoon Sim  (Signature)	Technical Manager: HyunSeob Lim  (Signature)
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2025-05-26

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1. Testing Laboratory

1.1 Testing laboratory information

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E-Mail	all.yongin@element.com
Website	www.elementkorea.kr

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

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2. Product description and Equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
Micro switch	KH-9015-PBF	1 EA	-

2.2 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Calibration Date
Test wire (1.0 mm)	TRP-02	ED&D	SI-J15	-
Push Pull Gage	FB30K	IMADA	83805	2026.01.16
Dust Chamber	NONE	JFM	S5-IP02	2026.02.14
Stop Watch	HS-3	CASIO	129521	2026.12.13
Aneroid Barometer	BAROMEX	SATO	84682	2026.01.16
Hygro Thermograph	ST-50M	SEKONIC	HE51-000147	2025.09.26



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2.3 Pre-test product images



Front



Behind



Top



Bottom

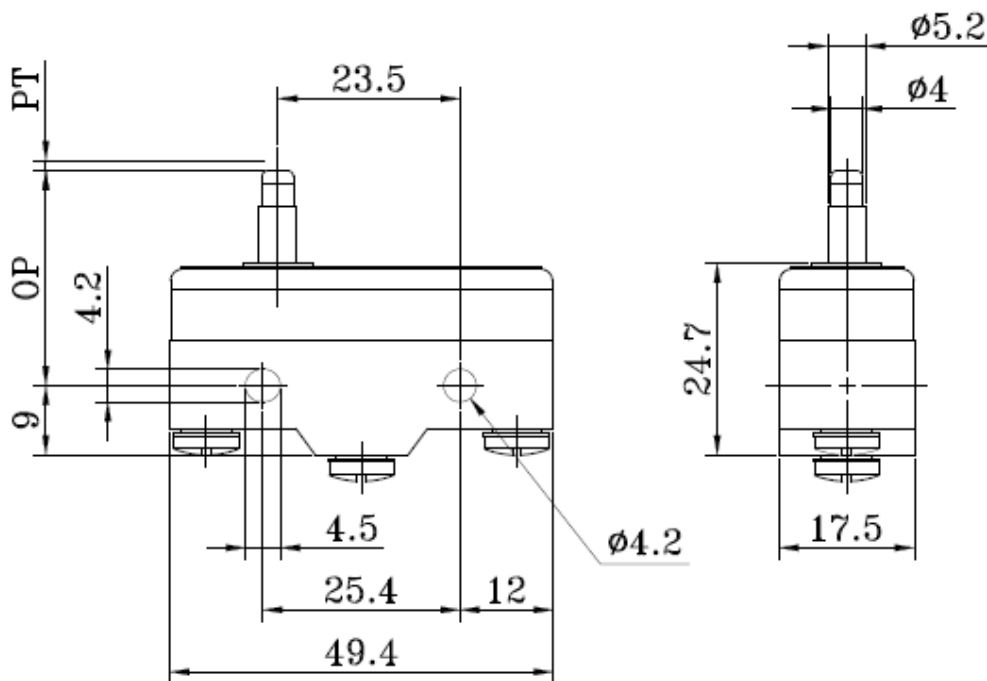


Left



Right

2.4 Product Appearance



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3. Test Result

3.1 Test Result Table

IP code	Remark
IP 5X	The access probe shall not penetrate. No ingress of dust .

※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated

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4. IP Test

4.1 Test duration, Environmental conditions, and Location

4.1.1 Test Date : 20. May, 2025 ~ 21. May, 2025

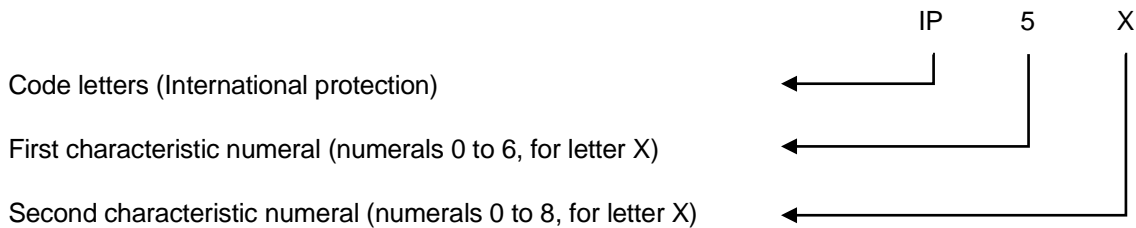
4.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.3	54.0	100.9

4.2 Test conditions

4.2.1 Test standard: IEC 60529:1989 +A1:1999+A2:2013

4.2.2 Arrangement of the IP code



4.2.2.1 Degree of protection against solid foreign objects indicated by the first characteristic numeral

First characteristic numeral	Degree of protection	Application
5	Dust Testing Equipment Whether reductions in pressure below the atmospheric pressure are present or not, ingress of dust is not totally preventive, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety. (Talcum powder have to go through the measured sieve by Φ 50 μ m wire that are spacing 75 μ m in squared, per volume and union Talcum powder have to be 2 kg/m ³)	—
	Category 2: Enclosures where no pressure difference relative to the surrounding air is present.	☒



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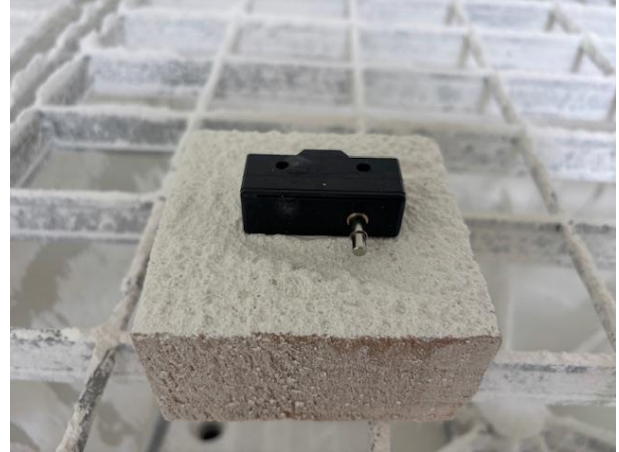
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4.3 Testing images



Dust test 1



Dust test 2



Dust chamber monitor 1



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4.4 Post-Test Product Images



After Dust Test



After Dust Test

-END-

TEST REPORT



CTK Co., Ltd.

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REPORT No.:
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1. Applicant

Name: TYGER CT Corp.

Address: #818, BUILDING B, DONGTAN KUMGANG PENTERIUM IX
TOWER 27, DONGTANCHEOMDANSANEOP 1- RO
HWASEONG-SI, KOREA

Date of Receipt: 2025-05-15

2. Manufacturer

Name: Kun Hung Electric

Address: 183, Hancheon-ro, Dongdaemun-gu, Seoul, 02534 Rep. of Korea

3. Use of Report: Quality control

4. Test sample / Model: Micro switch / KH-9015-RP

5. Date(s) of test: 2025-05-20 ~ 2025-05-21

6. Test Standard (Method) used ..: IEC 60529:1989 +A1:1999+A2:2013



7. Testing Environment: Temperature: (25.0 ± 10.0) °C, Humidity: (50 ± 25) %R.H.,
Air Pressure: (96.0 ± 10.0) kPa

8. Results: Refer to 7 page

9. Location of Test: ☒ Permanent Testing Lab ☐ On Site Testing

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Approval	Tested by : JaeYoon Sim  (Signature)	Technical Manager: HyunSeob Lim  (Signature)
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2025-05-26

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4.2	Test conditions _____	8
4.3	Testing Image _____	9
4.4	Post-Test Product Images _____	10


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1. Testing Laboratory

1.1 Testing laboratory information

Lab. Name	CTK Co., Ltd.
Address	5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Tel.	+82-31-339-9970
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Website	www.elementkorea.kr

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

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2. Product description and Equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
Micro switch	KH-9015-RP	1 EA	-

2.2 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Calibration Date
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Push Pull Gage	FB30K	IMADA	83805	2026.01.16
Dust Chamber	NONE	JFM	S5-IP02	2026.02.14
Stop Watch	HS-3	CASIO	129521	2026.12.13
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Hygro Thermograph	ST-50M	SEKONIC	HE51-000147	2025.09.26



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2.3 Pre-test product images



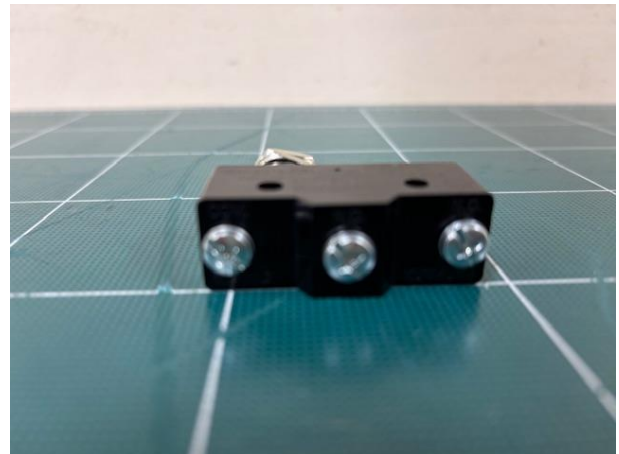
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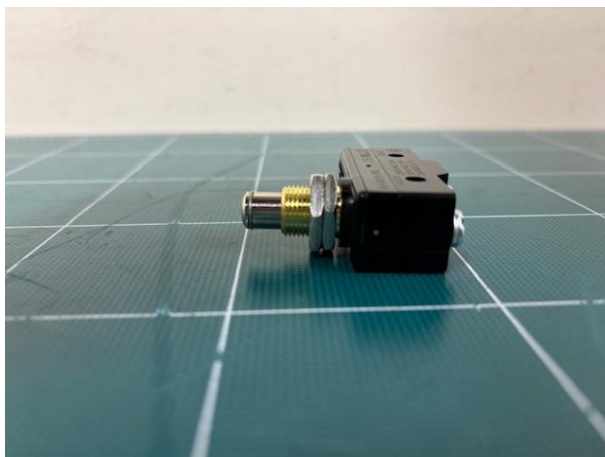
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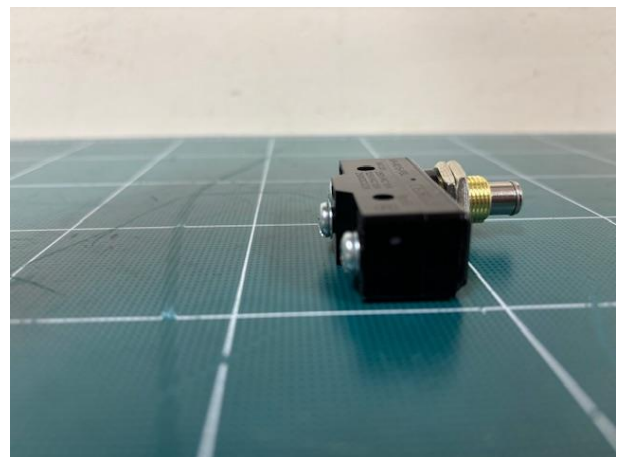
Top



Bottom



Left



Right

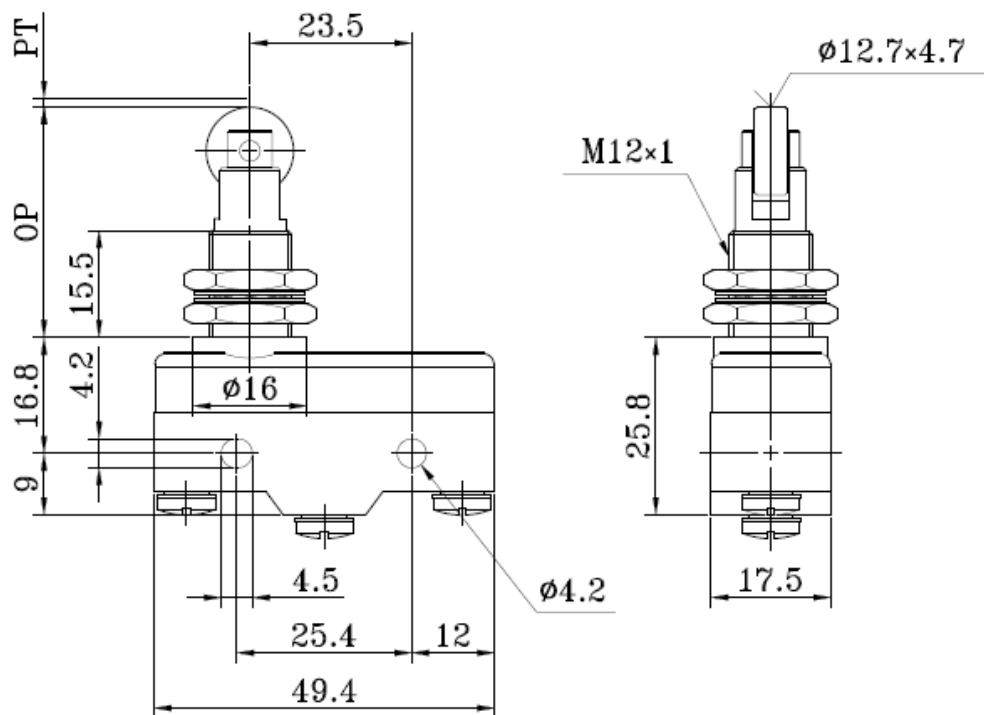


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2.4 Product Appearance



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3. Test Result

3.1 Test Result Table

IP code	Remark
IP 5X	The access probe shall not penetrate. No ingress of dust .

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4. IP Test

4.1 Test duration, Environmental conditions, and Location

4.1.1 Test Date : 20. May, 2025 ~ 21. May, 2025

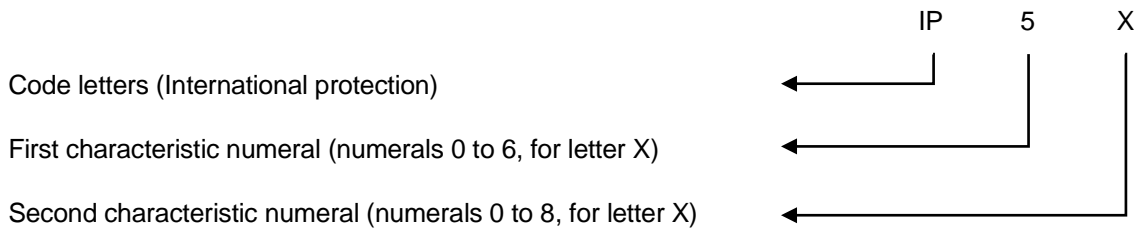
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4.2 Test conditions

4.2.1 Test standard: IEC 60529:1989 +A1:1999+A2:2013

4.2.2 Arrangement of the IP code



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4.3 Testing images



Dust test 1



Dust test 2



Dust chamber monitor 1

4.4 Post-Test Product Images



After Dust Test



After Dust Test

-END-