



中国认可
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检测
TESTING
CNAS L13752



Access to the World

Test Report

No.: EGZ2410080117R00102R

Date: Oct.31, 2024

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Applicant : TPK OPTOELECTRONIC TECH CO.,LTD
Address : Building 1-2, No. 10, Dacheng Road, Dongfeng Town, Zhongshan City,Guangdong Province P.R. China
Sample Name : LLS-OP-D50
Model : /
Received Date : Oct.09, 2024
Test Period : Oct.16, 2024~Oct.17, 2024
Test Summary :

Test Item

Conclusion

IP66

Pass

Remark: Pass: meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

Signed for and on behalf of
EMTEK(Guangzhou) Co.,Ltd.

Prepared by:

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Assistant engineer

Reviewed by:

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Yuan qin, Eric. Yuan
Technical supervisor

Approved by:

EMTEK(GUANGZHOU) CO., LTD
Luo wei, Luo. Luo

Authorized signatory
Oct.31, 2024

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Sample Information (The following sample(s) was/were submitted and identified by the client):

Sample No.	Sample name
E2410080117-02	LLS-OP-D50

Test Information:

1. Test Item: IP66

1.1 Test Method and Condition:

Test method: IEC 60529:1989+AMD1:1999+AMD2:2013 CSV/COR2:2015

Test quantity: 1 pc

Test condition:

1. Push a 1mm diameter test wire into the opening of the specimen with a force of $1 \pm 0.1N$.
2. Place the sample into a test chamber containing 2kg of talc powder per cubic meter to begin the test. During the test, the sample is kept in a vacuum state with a maximum pressure difference of 2kPa (20mbar), and the pumping speed is less than 40 times the volume of the shell per hour. The test is conducted for 8 hours.
3. Inner diameter of nozzle: 12.5mm;
Water flow rate: 100L/min
Test time: 3 minutes
Distance from nozzle to shell surface: 2.5m~3m.

Acceptance criteria: See test results

1.2 Test Instrument:

Instrument name	Instrument Model	Instrument No.	Calibration Valid Date
Access probe D	GT0004	EYR-046	2024.11.08
Dustproof test machine	KXT1410	EYR-044	2025.03.05
IP Waterproof test machine	KXT1317	EYR-033	2024.11.08

1.3 Test Period: 2024.10.16~2024.10.17

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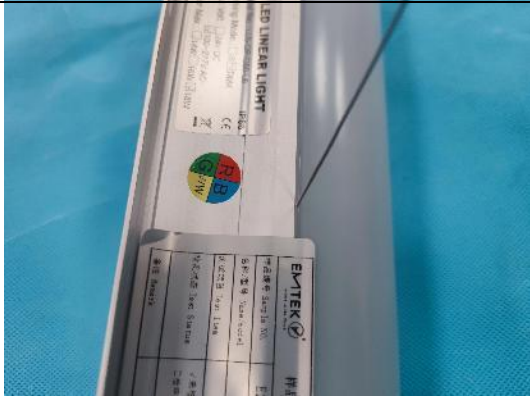
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1.4 Test Results:

Sample No.	Test result	Acceptance Criteria	Evaluation
E2410080117-02-01	1. The metal wire did not touch any dangerous live parts; The metal wire did not pass through any opening of the sample. No dust enters. 2. Water did not enter the live parts.	1. Metal wires must not touch dangerous or live parts; The metal wire shall not pass through any opening of the sample. No dust enters. 2. Water does not enter live parts.	Pass

1.5 Test Photos:

	
Before test(Front)	Before test(Back)
	
In the probe test	During the dust prevention test

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Test Photos:

	
After dust prevention test	During the waterproof test
	
After waterproof test	After test
	
Disassemble and inspect after the test	Overall layout

*** End of report ***

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