





	TEST REPORT	
	C C EN 60529 C C C C C C	
Degrees of	protection provided by enclosures(IP code)	
Report reference No		
Date of issue	: May. 28, 2025	
Testing laboratory		
Name	Shenzhen CTB Testing Technology Co., Ltd.	
Address	: 1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China	
Testing location	: Same as above	
Client		
Applicant	Shenzhen QIJIE Electronic CO., LTD	
Address	: 2F Building 21th, Chuangye RD, Shilongzai Industrial Park Shiyan, Baoan District, Shenzhen, GD, China	
Test specification		
Standard	: EN 60529:1991+A1:2000+A2:2013+AC:2019	
Procedure deviation	: N/A C C C C C C C C C	
Non-standard test method	: N/A	
Object under test	: LED Strip Connector	
Model/Type reference	: Hippo-M SDP	
Others Model		
Trade mark	ర్ ర్ ర్ ర్ ర్ ర్ ర్ ర్	
Manufacturer		
Address	2F Building 21th, Chuangye RD, Shilongzai Industrial Park Shiyan, Baoan District, Shenzhen, GD, China	
IP degrees	: IP68	
Possible test case verdicts		
- test case does not apply to	he test object: N/A(Not Applicable)	
- test object does meet the re		
- test object does not meet th		
Date of receipt of test item	: 2025-05-21 ts:: 2025-05-22 to 2025-05-26	

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General remarks:

-Throughout this report a point is used as the decimal separator.

-The test results presented in this report relate only to the object tested.

-This report shall not be reproduced except in full without the written approval of the testing laboratory.

Comments:

The First characteristic number 6 indicates prevent solid foreign objects test

The conditions:

1. Test duration:8h

2.Equipment pressure: <2kPa

The second characteristic number 8 indicates the waterproofing test

The conditions:

1. The samples shall be completely immersed in water according to the usage state stipulated by the production plant.

2.The water temperature: 30°C.

3.Test time: 35min.

4.Test depth: 1m

Summary of testing:

The submitted sample were tested and found to compliance with requirements of the standards EN 60529:1991+A1:2000+A2:2013+AC:2019

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esting procedure and testing	g location			
_aboratory name	: Shenzhen CTB Te	sting Technolog	gy Co., Ltd.	
Festing location/address:		: 1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China		
Compiled by (name,signature)	: Haimei huang	HaiMei	Huang	
Reviewed By (name,signature)	: Mike Lin	Mike		
Approved By (name,signature)	: Finerb Bai	fines &		



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. 9	\$ \$ \$ \$ \$ \$	EN 60529	8 8 8	9 9 9
Clause	Requirement – Test	C C C R	Result - Remark	Verdict

11	General requirements for tests		Р
11.1	Atmospheric conditions for water or dust tests	25.0°C, 50%R.H.	Р
11.2	Test samples	<b>\$</b> \$ \$ \$	P
11.3	Application of test requirements and interpretation of test results	ి రి. రి. రి. రి	Р
11.4	Combination of test conditions for the first characteristic numeral	IP6X	P
11.5	Empty enclosures	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
12	Test for protection against access to hazardous part characteristic numeral	ts indicated by the fist	N/A
12.1	Access probes	\$ \$ \$ \$ \$	N/A
12.2	Test conditions	ి చిచిచిచి	N/A
12.3	Acceptance conditions	\$ \$ \$ \$	N/A
12.3.1	For low-voltage equipment. (Rated voltage not exceeding 1000V a.c. and 1500V d.c.)		N/A
12.3.2	For high-voltage equipment (Rated voltage exceeding 1000V a.c. and 1500V d.c.)	5 <sup>4</sup> CT <sup>4</sup> CT <sup>4</sup> CT <sup>4</sup> CT	N/A
12.3.3	For equipment with hazardous mechanical parts	* * * * * *	N/A
13	Test for protection against solid foreign objects indic numeral	ated by the first characteristic	P
13.1	Test means		Р
ో రి	Test means and the main test conditions are given in table 7	్ ర్ ర్ ర్ ర్	Р
13.2	Test conditions for first characteristic numerals 1, 2, 3, 4	కి లో లో లో లో	N/A
13.3	Acceptance conditions for first characteristic numerals 1, 2, 3, 4	5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	N/A
13.4	Dust test for first characteristic numerals 5 and 6	IP6X	P
13.5	Special conditions for first characteristic numeral 5	ి చి చి చి చి	N/A
13.5.1	Test conditions for first characteristic numeral 5	A A A A	N/A
13.5.2	Acceptance conditions for first characteristic numeral 5		N/A
13.6	Special conditions for first characteristic numeral 6		Р



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EN 60529			
Clause	Requirement – Test	Result - Remark	Verdict
<del>ن کر</del> بر کلی	a) the lowest point of enclosures with a height less than 850mm is located 1000mm below the surface of the water	<u>* 5* 5* 5* 5</u> * 2* 2* 2* 2* 4	N/A
58 5	b) the highest point of enclosures with a height equal to or greater than 850mm is located 150mm below the surface of the water		N/A
-	c) the duration of the test is 30min	8 8 8 8	N/A
5 5	d)the water temperature does not differ from that of the equipment by more 5K	్ ర్ ర్ ర్ ర్	N/A
4.2.8	Test for second characteristic numeral 8: continuous immersion subject to agreement	కి లో లో లో లో	Р
14.3	After testing in accordance with the appropriate requirements of 14.2.1 to 14.2.8 the enclosure shall be inspected for ingress of water	No ingress of water	Р
5 5	It is the responsibility of the relevant technical committee to specify the amount of water which may be allowed to enter the enclosure and the details of a dielectric strength test		N/A
-	In general, if any water has entered, it shall not:	8 8 8 8	N/A
5 5	-be sufficient to interfere with the correct operation of the equipment or impair safety	్ ర్ ర్ ర్ ర్	N/A
5 05	-deposit on insulation parts where it could lead to tracking along the creepage distances	కి లో లో లో లో	N/A
58 55	<ul> <li>–reach live parts or windings not designed to operated when wet</li> </ul>	5 <sup>10</sup> c <sup>15</sup> c <sup>15</sup> c <sup>16</sup> c <sup>1</sup>	N/A
58 5	-accumulate near the cable end or enter the cable if any	sto crto crto crto cr	N/A
5805	If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment	5 <sup>4</sup> c <sup>4</sup> c <sup>4</sup> c <sup>4</sup> c <sup>4</sup> c <sup>4</sup>	N/A
2 C 5 B C	For enclosure without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts	ి లెం లెం లెం కి ది ది ది ది ది	N/A
24 2			
5	Test for protection against access to hazardous parts indicated by the additional letter		N/A
5.1	Access probes	No additional letter	N/A
-	The access probe are given in table 6		N/A
5.2	Test conditions	ST . ST . ST . S	N/A



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. 9	EN 60529	4 4 4 4	\$ \$
Clause	Requirement – Test	Result - Remark	Verdict
8		A A A A	0 0
	The access probe is pushed against any openings of the enclosure with the force specified in table 6		N/A
15.3	Acceptance conditions	SY SY SY SY	N/A
	Test for the additional letter B		N/A
S 65	Test for the additional letter C and D	5 5 5 5	N/A

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## APPENDIX PHOTO DOCUMENT

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Photo 3: Waterproof test



Photo 4: After test

\*\*\*\*\*End of this report\*\*\*\*