

Applicant: **Yueqing Keolea Electric Appliance Co., Ltd.**
申请商: 乐清市科勒电器有限公司
Address: **PanYang Road No. 15, Panjiayang Village, Yueqing City, Zhejiang Province, China**
申请商地址: 浙江省乐清市潘家垞村潘阳路 15 号

Sample information

样品信息

Sample Name: **Stainless Steel Distribution(Junction Box)**

样品名称 不锈钢配电箱(接线盒)

商标

Trade mark

Main testing model: **SS-151510**主测型号 **SS-151510**Additional models **N/A**附加型号 **无**Sample Received Date: **Oct 20, 2025**

样品接收日期:

Testing Period: **Oct 21-28, 2025**

测试周期

Test Requested:

测试要求:

Sequence 序列	Test Item 测试项目
1	IP6X test
2	IPX7 test

Test Method:

测试方法

According to EN 60529:1991+A1:2000+A2:2013+AC:2016+AC:2019

Test Result:

测试结果

Please refer to following pages

请参阅以下各页

Tested by

Jenny Luo

Checked by

Jack Li

Signed for and on behalf of SiCT



1.Test item: IP6X test

测试项目:

(1) Detection equipment and instruments

检测设备及仪器

Instrument name 仪器名称	Model 型号	Serial No. 序列号	Equipment manufacturers 设备制造商	Valid Date to 有效日期
Test prober 测试探针	Φ1.0mm	SiCT-SE-37	Zhilitong	2026/05/1
Dust tester 粉尘测试仪	WH-SC1000	SiCT-SE-83	WEWON	2026/05/1

(2) Environmental Conditions:

环境条件

Temperature: 21°C Humidity: 57%RH

温度: 21°C 湿度: 57%RH

(3) Tested Sample: SS-151510

测试样品: SS-151510

(4) Test Basis: EN 60529:1991+A1:2000+A2:2013

测试依据:

(5) The test performed in accordance to the criteria listed above, and under the conditions as below:

根据上面列出的标准, 在以下条件下进行的试验:

- 1) The Test prober of 1 mm diameter is pushed against any opening of the sample with force of 1 N
将直径为 1mm 的测试探针以 1n 的力推向样品的任何开口
- 2) Set the sample in the dust chamber, the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump (Pump speed: 10 mL/min, less than 40 times of the shell volume per hour; the differential pressure between the containment and the atmosphere: 2 kPa)
将样品置于灰尘室中, 通过真空泵使外壳内的压力保持在周围大气压以下(泵速:10ml /min, 每小时小于外壳容积的 40 倍;安全壳与大气之间的压差:2kpa)


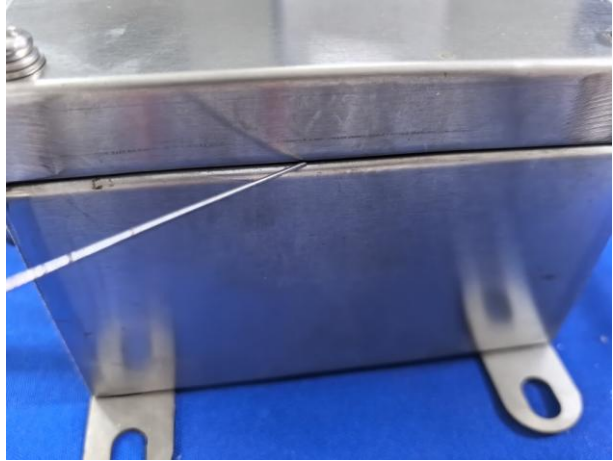


The talcum powder to be used is 2 kg/ m³ of the test chamber volume; Test duration: 8 h所用滑石粉为试验箱容积的 2kg / m³, 测试时间:8 小时**(6) Test results**

试验结果

Sample Model 样品型号	Sample name 样品名称	Test Results 试验结果
SS-151510	不锈钢配电箱(接线盒) Stainless Steel Distribution(Junction Box)	Test prober can not penetrate into opening of the sample. No dust entered into the sample, the sample passed the IP6X test. 测试探针不能穿透样品的开口。 样品无粉尘进入, 样品通过 IP6X 测试。

Test photos:

测试照片:

	
<p>Before the test</p>	<p>Under testing</p>
	
<p>Under testing</p>	<p>After testing</p>

2. Test item: IPX7 test

测试项目:

(1) Detection equipment and instruments

检测设备 & 仪器

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Water test device	PL-IPX7/8	SiCT-SE171	VINOPS	2026/05/1

(2) Environmental Conditions:

环境条件

Temperature: 23℃ Humidity: 67%RH

温度: 21℃ 湿度: 57%RH

(3) Tested Sample: SS-151510

测试样品: SS-151510

(4) Test Basis: IEC 60529:1989+A1:1999+A2:2013

测试依据:

(5) The test performed in accordance to the criteria listed above, and under the conditions as below:

根据上述标准和以下条件进行的测试:

- 1) The lowest point of enclosure with a height less than 850mm is located 1000mm below the surface of the water. 高度小于 850mm 的外壳最低点位于水面以下 1000mm 处。
- 2) the highest point of enclosures with a height equal to or greater than 850 mm is located 150 mm below the surface of the water; 高度等于或大于 850 毫米的围栏的最高点位于水面以下 150 毫米处;
- 3) The duration of the test is 30min. 测试持续时间为 30 分钟。
- 4) The water temperature does not different from that of the equipment by more than 5 K.

水温与设备温度相差不超过 5K。

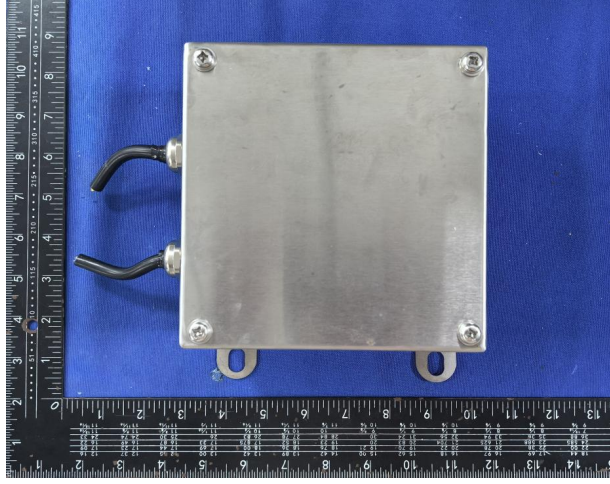
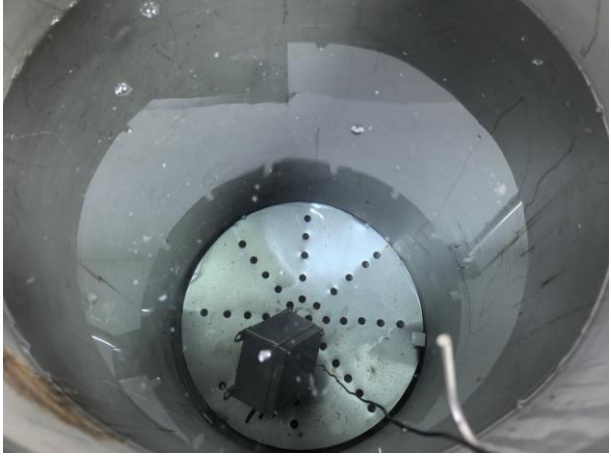
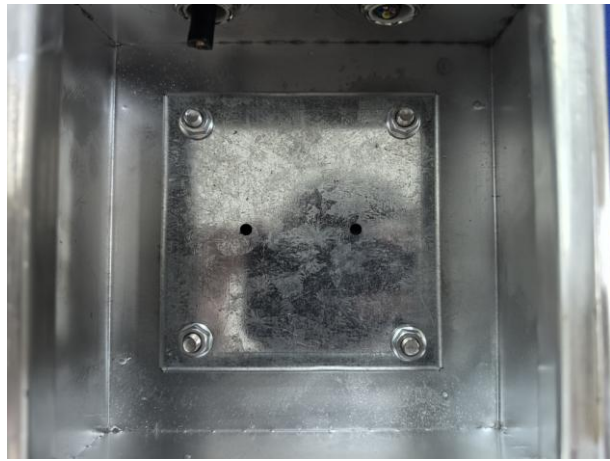
(6) Test results

试验结果

Sample Model 样品型号	Sample name 样品名称	Test Results (visual observation) 试验结果(目测)
SS-151510	不锈钢配电箱(接线盒) Stainless Steel Distribution(Junction Box)	No water entered into live parts of the sample, the sample passed the IPX7 test. 样品各部位无水分进入, 样品通过 IPX7 测试。

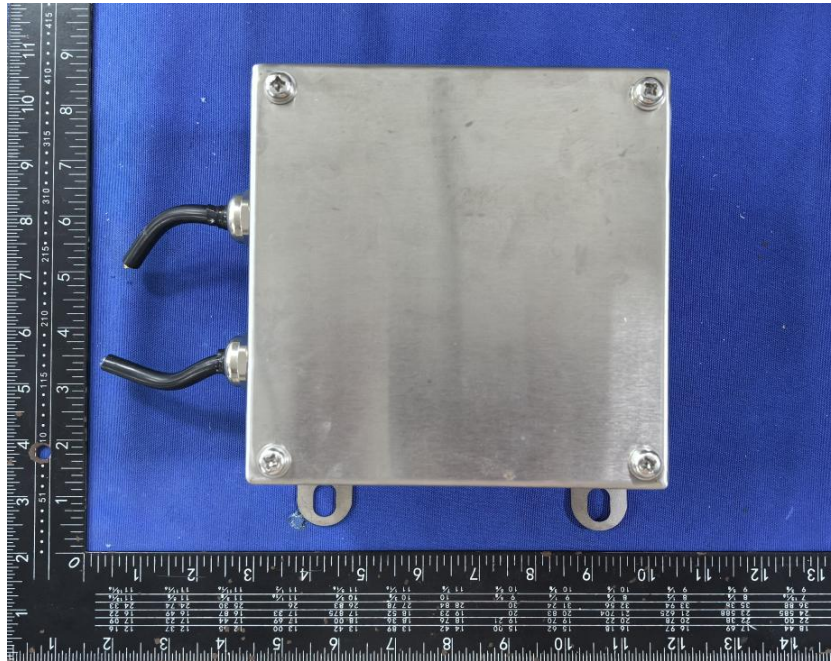
Test photos:

测试照片:

	
<p>Before the test</p>	<p>Under testing</p>
	
<p>After testing</p>	<p>/</p>

EUT Photographs

EUT 照片



*** End***

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