

检 测 报 告
TEST REPORT

报告编号 (No.): UTS24120047R03R1 报告日期 (Report Date): 2025/03/19

委托单位/Client : 北京双龙盛电气制造有限公司
Beijing Shuanglongsheng Electric Manufacturing Co., LTD

地 址/Address : 北京市通州区台湖镇经略天则南区 2.19
2.19, Tianze South District, Taihu Town, Tongzhou District, Beijing

以下样品信息由申请人提供及确认:

The sample(s) information below is/are provided and confirmed by client:

样品名称/Sample Name : 防火槽式电缆桥架/Fireproof trough cable bridge

型 号/Model	: 50*50	400*100	800*100
	100*50	400*150	800*150
	100*75	400*200	800*200
	100*100	500*100	1000*100
	150*75	500*150	1000*200
	150*100	500*200	1200*100
	200*100	600*100	1200*200
	200*150	600*150	1400*100
	300*100	600*200	1400*200
	300*150	700*100	1400*350
	300*200	700*150	
		700*200	

生产单位地址 : 江苏省扬中市开发区园博大道北 100 米
/Production unit address 100 meters north of Yuanboda Road, Yangzhong Development Zone, Jiangsu Province

测试标准/Test standard : JB/T 10216-2013 《电控配电用电线桥架》《企业技术要求》
JB/T 10216-2013 "Electric Control distribution Cable Bridge"
"Enterprise Technical Requirements"

联系人/Contact person : 陈龙/Chen Long

接样日期/Receiving Date : 2024/12/20

签 发
Approved by

检验检测专用章

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周伟编 制
Prepared by
王彭

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结果总结/Summary of Result(s):

样品名称 Sample Name	项目 Item(s)		判定 Determine	页码 Page Number
防火槽式电缆桥架 Fireproof trough cable bridge	1	外观检查 Appearance check	符合/PASS	3
	2	尺寸测量 Dimension measurement	符合/PASS	4
	3	防护层厚度 Protective thickness	符合/PASS	5-6
	4	均匀性 Evenness	符合/PASS	6-7
	5	盐雾测试 48h Salt spray test 48h	符合/PASS	7-8
	6	交变湿热试验 24h Alternating humid heat test for 24h	符合/PASS	9-10
	7	附着力 Adhesive force	符合/PASS	11-12
	8	保护电路连续性 (接地) Protection circuit continuity (ground connect)	符合/PASS	13
	11	机械负载试验 Mechanical load test	符合/PASS	14
	12	防护等级 IP30 Protection class IP30	符合/PASS	15-16

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一、外观检查/Appearance check

1、测试标准/Test standard

依客户要求要求进行试验，详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2024/12/23

3、测试条件/Test Condition

目视/Visual

4、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-1	涂层均匀、光滑、平整，无裂纹、起皮、起泡和水泡。/The coating is uniform, smooth and flat, without cracks, peeling, blistering and blisters.	涂层应均匀、光滑、平整，无裂纹、起皮、起泡和水泡。/The coating should be uniform, smooth and flat, without cracks, peeling, blistering and blisters.	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

5、测试照片/Test Photo(s)



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二、尺寸测量/Dimension measurement

1、测试标准/Test standard

GB/T 1958-2017 《产品几何技术规范 (GPS) 几何公差 检测与验证》/Geometrical Product Specifications(GPS)—Geometrical tolerance—Verification

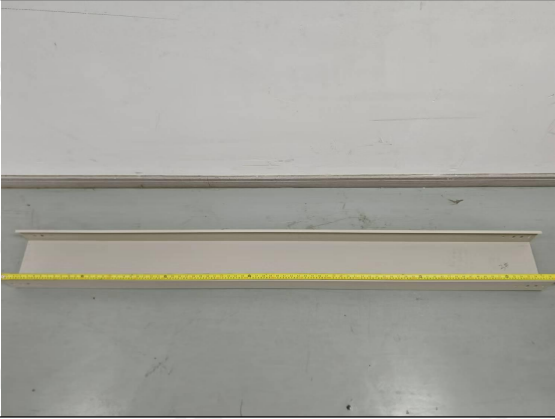
2、测试日期/Test Date

2024/12/23

3、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result
3-2	长/Length: 200cm 宽/Width: 20cm 高/Height: 10cm

4、测试照片/Test Photo(s)


尺寸/Dimension

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三、防护层厚度/Protective thickness

1、测试标准/Test standard

依客户要求进行试验, 详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2024/12/27-2024/12/30

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
正置金相显微镜 Upright Metallurgical Microscope	M-1-543	2026/10/11

4、测试条件/Test Condition

环境温度/Environment Temperature : (23±5)°C

环境湿度/Environment Humidity : (55±10)%RH

5、测试结果/Test Result(s)

单位/Unit: μm

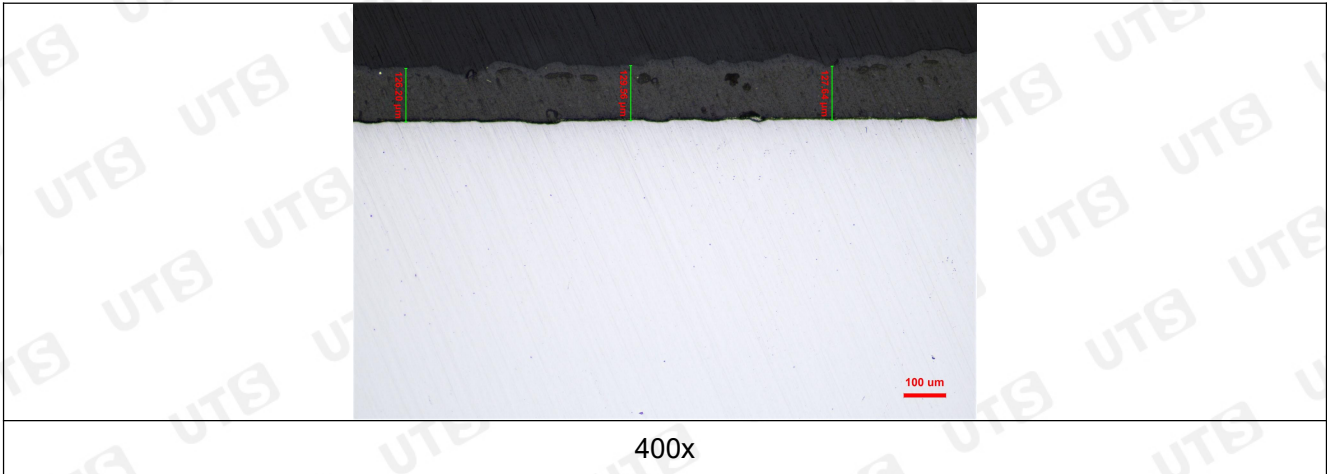
样品编号 Sample No.	结果 Result			平均值 AVH	判定依据 Judgment Basis	判定 Determine
	①	②	③			
3-3	126.20	129.56	127.64	127.80	≥60	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

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6、测试照片/Test Photo(s)



四、均匀性/Evenness

1、测试标准/Test standard

依客户要求进行了试验，详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2024/12/23

3、测试条件/Test Condition

目视/Visual

4、测试结果/Test Result(s)

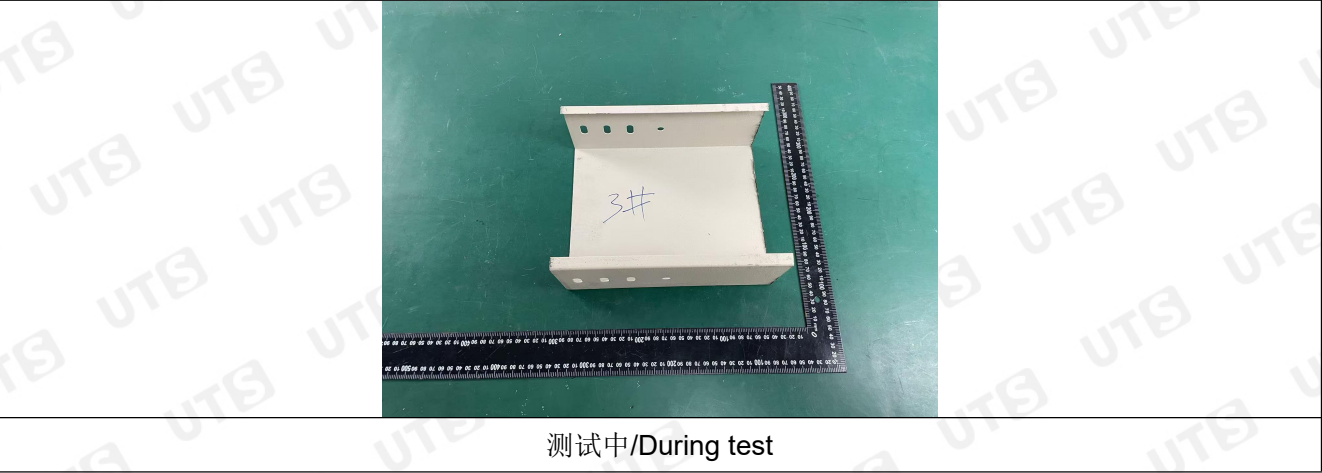
样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-4	目测突出表面没有明显层次感。/Visually, the protruding surface has no obvious gradation.	目测突出表面没有明显层次感。/Visually, the protruding surface has no obvious gradation.	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

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5、测试照片/Test Photo(s)



五、盐雾测试 48h/Salt spray test 48h

1、测试标准/Test standard

GB/T 2423.17-2008 《电工电子产品环境试验 第2部分：试验方法 试验 Ka：盐雾》/Environmental testing for electric and electronic products - Part 2: Test method - Test Ka: Salt mist

2、测试日期/Test Date

2024/12/23-2024/12/25

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
盐雾腐蚀试验箱 Salt spray corrosion test chamber	R-1-079	2025/11/25

4、测试条件/Test Condition

环境温度/Environment Temperature : (23±2)℃
环境湿度/Environment Humidity : (50±5) %RH
试验温度/Test Temperature : (35±2) °C
盐水浓度/Medium : (5±1) % NaCl
pH 值/pH Value : 6.5~7.2
盐雾沉降率/Quantity of Fog : 1.0~2.0 mL/80cm²·h
持续时间/Duration : 48 h

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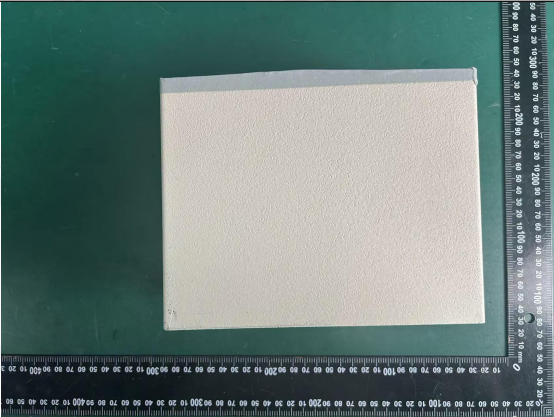
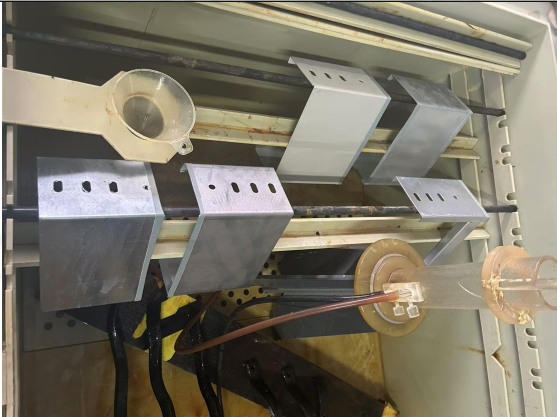
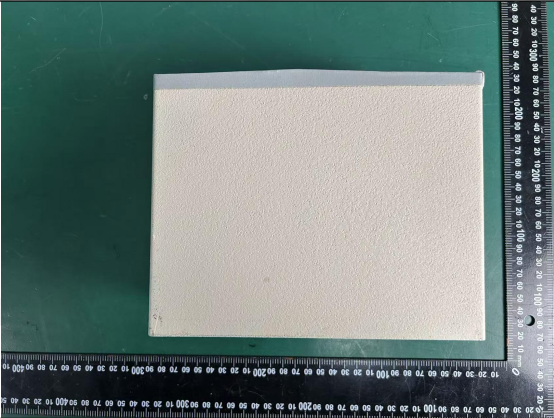
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5、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-5	1 级/Level 1	不低于 JB/T 6743-1993 标准 3 级。/Not lower than JB/T 6743-1993 standard level 3.	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

6、测试照片/Test Photo(s)

	
测试前/Before test	测试中/During test
	/
测试后/After test	/

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六、交变湿热试验 24h/Alternating humid heat test for 24h

1、测试标准/Test standard

GB/T 2423.4-2008 《电工电子产品环境试验 第 2 部分：试验方法 试验 Db 交变湿热（12h+12h 循环）》
/Environmental testing for electric and electronic products - Part 2: Test method - Test Db: Damp heat, cyclic (12h+12h cycle)

2、测试日期/Test Date

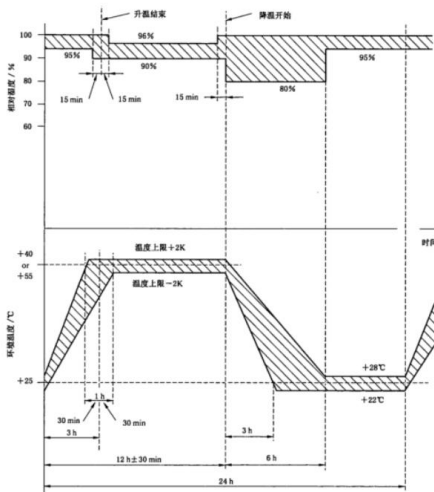
2024/12/24-2024/12/26

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
高低温交变湿热试验箱 High and low temperature alternating wet heat test chamber	R-1-089	2025/11/21

4、测试条件/Test Condition

相对湿度 95%，温度范围：25℃~44℃，1 个循环 24h。/Relative humidity 95%, temperature range: 25℃~44℃, 1 cycle 24h.



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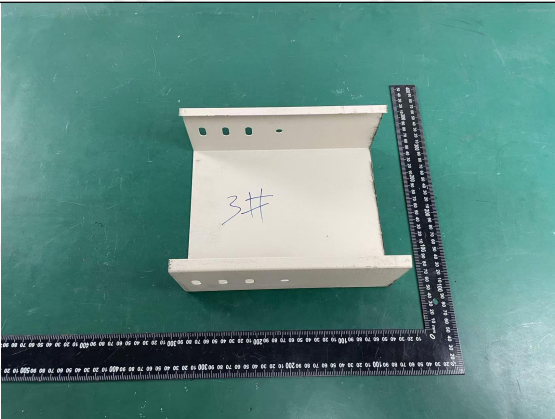
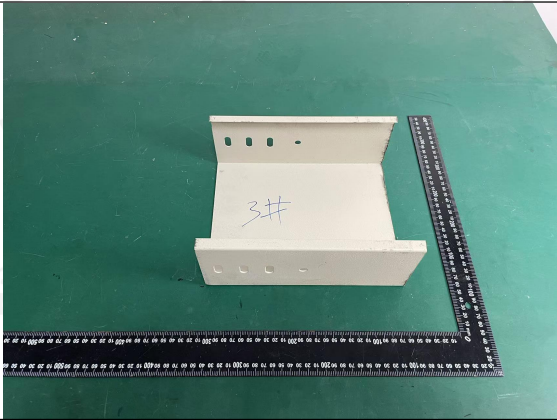
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5、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-6	涂层表面无褪色, 无失光, 无气泡等缺陷。 /The coating surface has no fading, no loss of light, no bubbles and other defects.	允许涂层表面轻微褪色, 轻微失光但无气泡等缺陷。/The coating surface is allowed to fade slightly, lose light slightly but no bubbles and other defects.	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

6、测试照片/Test Photo(s)

	
测试前/Before test	测试中/During test
	
测试设备/Test equipment	测试后/After test

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七、附着力/Adhesive force

1、测试标准/Test standard

GB/T 1720-2020 《漆膜划圈试验》/Circle-drawing test of coating films

2、测试日期/Test Date

2024/12/25-2024/12/31

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备型号 Equipment Type	校准有效期 Calibration Period of Validity
漆膜附着力试验仪 Paint film adhesion tester	QFZ	2025/12/29

4、测试条件/Test Condition

- 1). 将试板漆面朝上固定在试验台上, 使指针的尖端接触到漆膜。
 - 2). 按顺时针方向均匀摇动摇柄, 转速控制在 80-100r/min 范围内。
 - 3). 当划出的圆滚线划痕达到标准图长(7.5±0.5cm)时, 停止试验, 取出试板, 用软毛刷除去划痕上的漆屑。
 - 4). 在自然日光下, 观察划痕上侧。
- 1). Fix the test board paint face up on the test bench so that the tip of the pointer touches the paint film.
- 2). Evenly shake the crank in the clockwise direction, and the speed is controlled within the range of 80-100r/min.
- 3). When the scratch of the circular rolling line reaches the standard drawing length (7.5±0.5cm), stop the test, take out the test plate, and remove the paint chips on the scratch with a soft brush.
- 4). In natural daylight, observe the upper side of the scratch.

5、测试结果/Test Result(s)

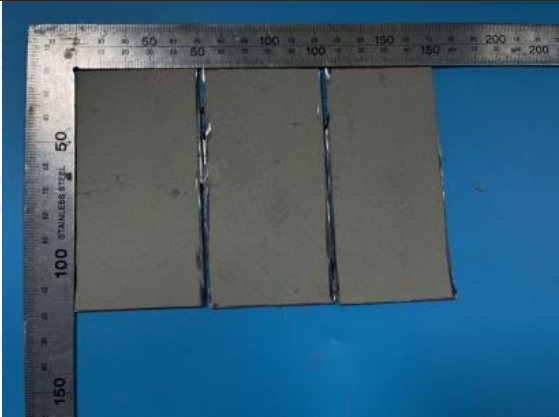
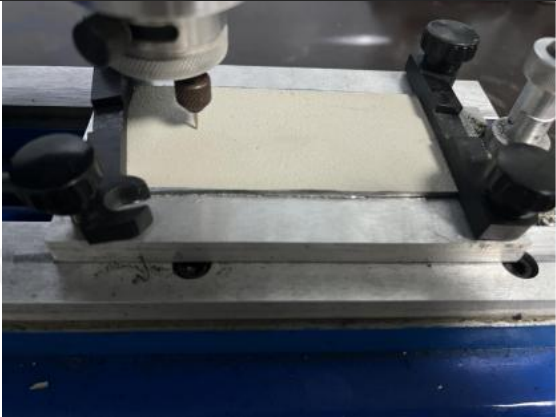
样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-7-A	1 级/Grade 1	≤2 级/Grade 2	符合/PASS
3-7-B	1 级/Grade 1		符合/PASS
3-7-C	1 级/Grade 1		符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

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6、测试照片/Test Photo(s)

	
测试前/Before test	测试中/During test
	/
测试后/After test	/

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八、保护电路连续性（接地）/Protection circuit continuity (ground connect)

1、测试标准/Test standard

依客户要求要求进行试验，详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2024/12/30

3、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-8	有可靠的电气连接并接地。/There is a reliable electrical connection and ground.	应有可靠的电气连接并接地/There should be a reliable electrical connection and ground	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

4、测试照片/Test Photo(s)



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十一、机械负载试验/Mechanical load test

1、测试标准/Test standard

依客户要求要求进行试验，详见测试条件。/The test was/were carried out according to client's requirement, details was/are given in the test condition(s).

2、测试日期/Test Date

2024/12/24

3、测试条件/Test Condition

跨距/Span: 1m

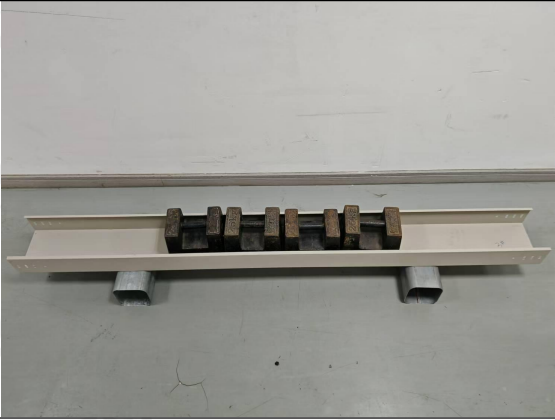
承载力/Bearing capacity: 1000N/m

4、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-11	绕度值/Winding value: 0	绕度值/Winding values≤10	符合/PASS

备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

5、测试照片/Test Photo(s)



测试中/During test

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十二、防护等级 IP30/Protection class IP30

1、测试标准/Test standard

GB/T 4208-2017 《外壳防护等级 (IP 代码)》/Degrees of protection provided by enclosure(IP code)

2、测试日期/Test Date

2024/12/26

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
IP3X 试验探棒 IP3X test probe	R-1-591	2025/04/22

4、测试条件/Test Condition

用直径为 2.5mm 的试验棒，对试品外壳施加 $3\pm0.3\text{N}$ 的力。/Using a test rod with a diameter of 2.5mm, a force of $3\pm0.3\text{N}$ is applied to the test casing.

5、测试结果/Test Result(s)

样品编号 Sample No.	结果 Result	判定依据 Judgment basis	判定 Determine
3-12	试验过程试验棒未进入壳内。/The test rod did not enter the shell during the test.	试验过程试验棒不得进入壳内。/The test rod shall not enter the shell during the test.	符合/PASS

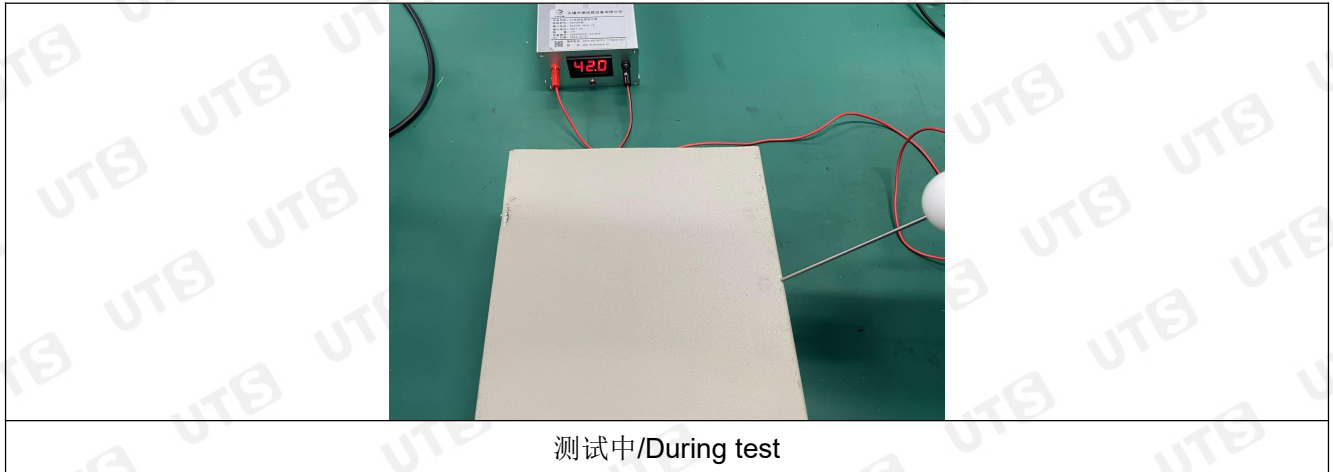
备注/Remark: 判定限值依客户要求。/The prescribed limit(s) is/are according to client's requirement.

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6、测试照片/Test Photo(s)



此报告代替之前 2025/01/02 发出的报告 UTS24120047R03，特此声明报告 UTS24120047R03 作废。

This report replaces the report UTS24120047R03 that was issued on 2025/01/02, we hereby declare
that the report UTS24120047R03 is invalid.

.....报告结束/End of Report.....

本报告中结果仅作为科研、教学或内部质量控制之用。

Test results in this report are only used for scientific research, teaching and internal quality control.