

检 测 报 告

TEST REPORT

报告编号 (No.) :UTS23060026R52 报告日期 (Report Date) : 2023/08/25

委托单位/Client : 浙江新富尔电子有限公司
Zhejiang Xinfuer Electron Co.,Ltd
地 址/Address : 浙江省乐清市虹桥镇溪西工业区标准厂区 9 号
No.9 Xixi industrial park,Hongqiao town,Yueqing,Zhejiang,China

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 : PHC 系列连接器/PHC series connectors

料 号/Part No. : PHC-nAWB-NK
PHC-nAB-NK
PHC-T-NK
PHC-nY-NK
PHC-nYK

接样日期/Receiving Date : 2023/06/20

检测项目/Test Item : TG6 接触件和壳体之间的相互作用(母端子与胶壳及二次锁等);
TG6 Interaction between contact and housing



签 发
Approve 检验检测专用章
樊建红 授权签字人

审 核
Reviewed by 毛贯南

编 制
Prepared by 王彭

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1、测试标准/Test Standard

VW 75174 LV-214 2018 及客户要求; VW 75174 LV-214 2018 and customer requirements

2、测试日期/Test Date

2023/07/21-2023/07/26

3、测试仪器/Test Equipment

设备名称 Test Equipment	设备编号/型号 Equipment Number/Type	校准有效期 Calibration Period of Validity
滚筒跌落试验机 Roller drop tester	LX-1050B	2024/03/02
全自动插拔力试验机 Fully automatic insertion and extraction force testing machine	R-1-559	2024/08/12

4、测试条件/Test Condition

P0.1 目检;

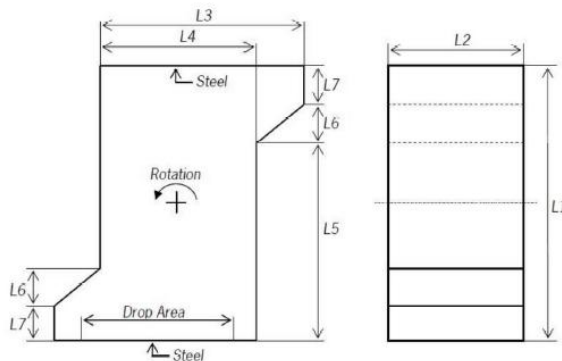
P0.1 Visual inspection;

P6.3 二级锁定装置的功能/锁扣间隙

P6.3 Function of the secondary locking device/latch play;

L6.1 滚筒跌落;

L6.1 Drop test;



滚筒跌落试验 Drop test in drum

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转速;Rotational speed	3rpm
跌落区域;Drop area	厚度≥5mm 的钢板;Thickness of the steel plate ≥ 5mm
滚筒上下底板高度;Height of the upper and lower bottom plates of the drum	1.2m
旋转次数;Number of rotations	30 次;30 times

P0.1 目检;

P0.1 Visual inspection;

P6.4 二级锁锁定装置驱动力;

P6.4 Actuation force for the secondary locking device;

P0.1 目检;

P0.1 Visual inspection;

5、测试结果/Test Result(s)

外观检查 (测试前) Visual inspection before test

样品编号 Sample No.		结果 Result
2pin	1#-9#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
8pin	1#-9#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
15pin	1#-9#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

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滚筒跌落测试 Drop test

样品编号 Sample No.	测试前二级锁状 secondary lock status before test	测试后二级锁状 态 secondary lock status after test	测试后外观检 Visual inspection after test	判定依据 Judgment Basis	判定 Determine
1#-3#(预上 锁 Pre-lock)	Open	Open	没有结构损伤 no structural damage	跌落测试中，预上 锁装置不得关闭 The secondary locking device in pre-latching position (simulation of transport of unequipped contact housings) must not close during the drop test.	符合 PASS
4#-6#(上锁 Lock)	Close	Close		跌落测试中，末端 次级锁不得打开 The secondary locking device in final latching position (simulation of transport of equipped contact housings) must not open during the drop test.	符合 PASS

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二级锁定装置驱动力试验 Actuation forces for the secondary locking device test

样品编号 Sample No.		驱动力 Actuation force(N)		判定依据 Judgment Basis	判定 Determine
		Opening	Close		
2pin	1#	13.77	/	见下表 1 See the table below	符合 PASS
	2#	12.99	/		符合 PASS
	3#	20.81	/		符合 PASS
	4#	/	24.41		符合 PASS
	5#	/	30.45		符合 PASS
	6#	/	22.73		符合 PASS
8pin	1#	21.01	/		符合 PASS
	2#	20.26	/		符合 PASS
	3#	20.45	/		符合 PASS
	4#	/	29.75		符合 PASS
	5#	/	40.07		符合 PASS
	6#	/	42.33		符合 PASS
15pin	1#	25.78	/		符合 PASS
	2#	20.28	/		符合 PASS
	3#	24.52	/		符合 PASS
	4#	/	35.78		符合 PASS
	5#	/	39.06		符合 PASS
	6#	/	42.18		符合 PASS

备注/Remark: 判定限值依 VW 75174 LV-214 2018。/The prescribed limit(s) is/are according to VW 75174 LV-214 2018.
此产品不适用于 Closing NOK 试验;This product is not suitable for the Closing NOK test

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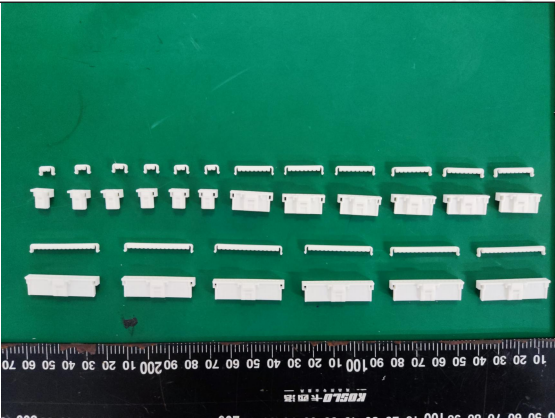
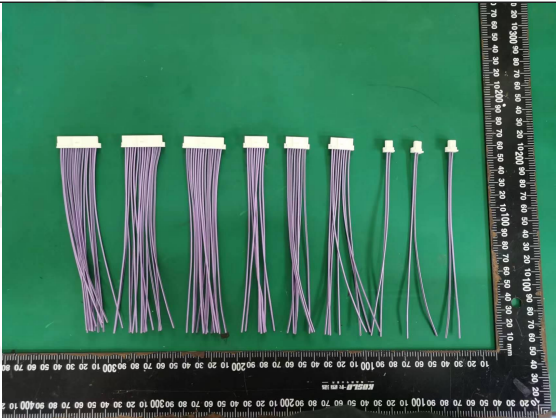
表 1;Table 1

动作 Actuation	条件 Condition	限定 Limits
打开 Opening	/	$F_o=10\text{ N to }50\text{ N}$
关 Closing	针对滑片 For slide	$F_c<50\text{N}$
关 NOK Closing NOK	在触点位置 0，不在终端位置 At contact position, not in end position	$F_c\text{ NOK} > 3\text{ times }F$
		at least $F_c\text{ NOK} > F_c + 50\text{ N}$, for blade widths $\geq 0.63\text{ mm}$
		at least $F_c\text{ NOK} > F_c + 25\text{ N}$, for blade widths $< 0.63\text{ mm}$

外观检查 (测试后) Visual inspection after test

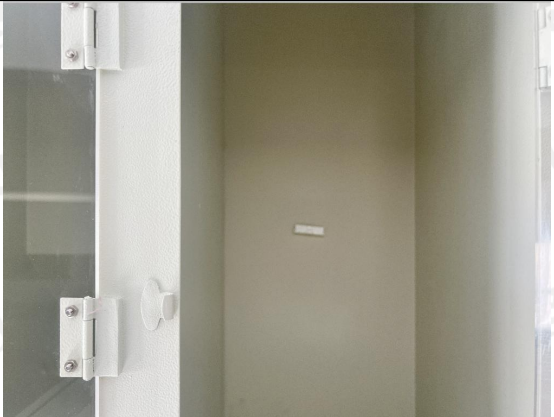
样品编号 Sample No.		结果 Result
2pin	1#-6#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
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15pin	1#-6#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

6、测试照片/Test Photo(s)

	
测试前外观检查;Visual inspection before test	

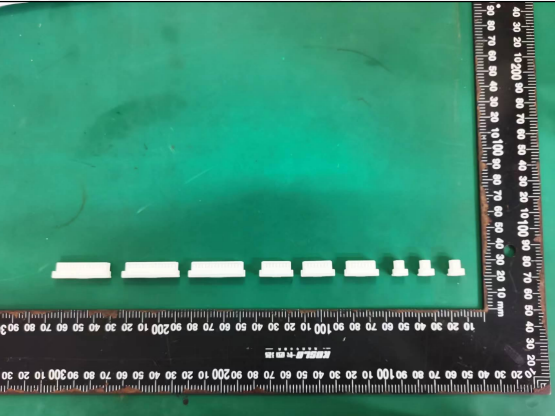
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滚筒跌落测试 Drop test	
	
测试中-1#; During test-1# (预上锁 Pre-lock)	测试中-2#; During test-2# (预上锁 Pre-lock)
	
测试中-3#; During test-3# (预上锁 Pre-lock)	测试中-4#; During test-4# (上锁 Lock)
	
测试中-5#; During test-5# (上锁 Lock)	测试中-6#; During test-6# (上锁 Lock)

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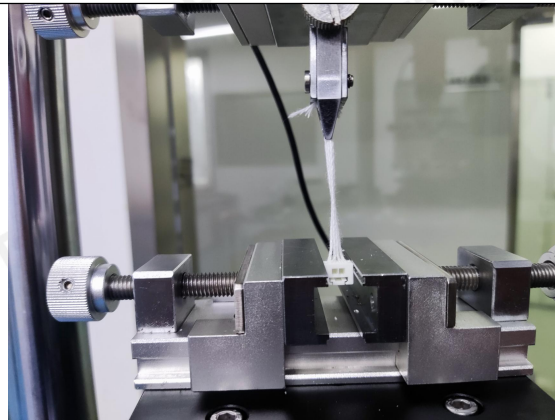
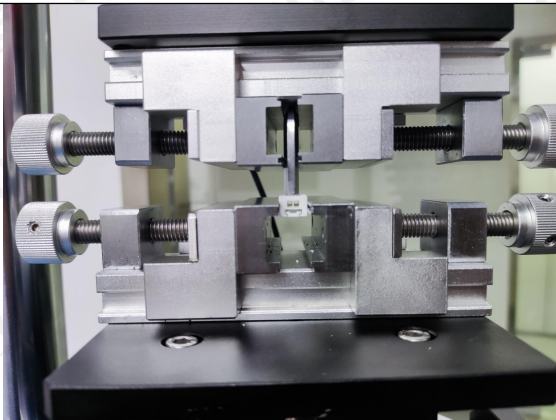
	
测试中; During test	测试后外观检查(预上锁); Visual inspection after test(Pre-lock)
	/
测试后外观检查(上锁); Visual inspection after test(Lock)	/

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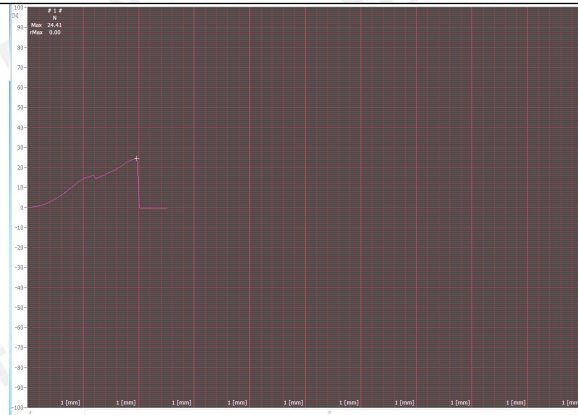
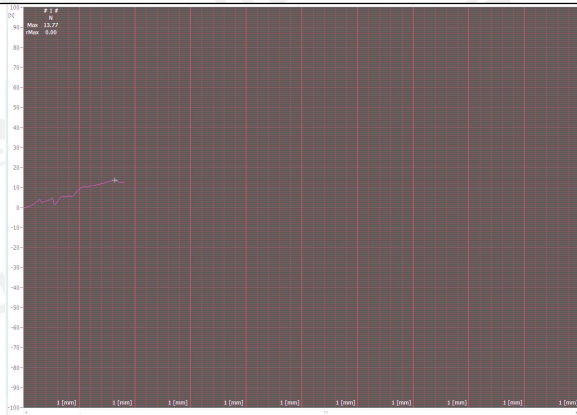
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二级锁定装置驱动力试验 Actuation forces for the secondary locking device test



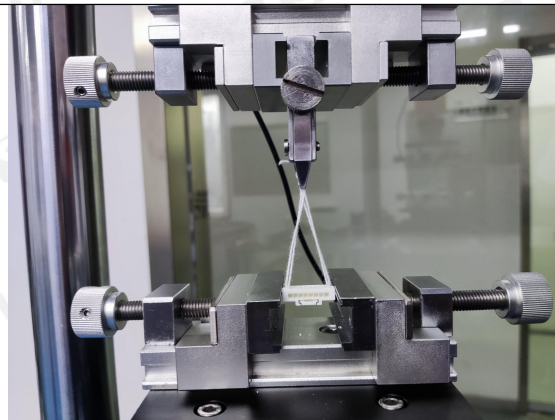
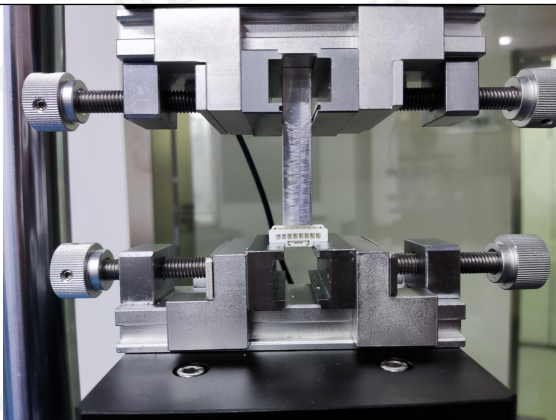
二级锁插入测试 Secondary lock insertion test
(2pin)

二级锁拔出测试 Secondary lock extraction test
(2pin)



二级锁插入曲线 Secondary lock insertion curve
(2pin)

二级锁拔出曲线 Secondary lock extraction curve
(2pin)



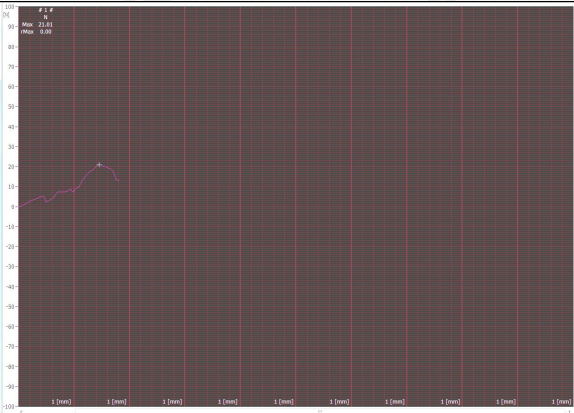
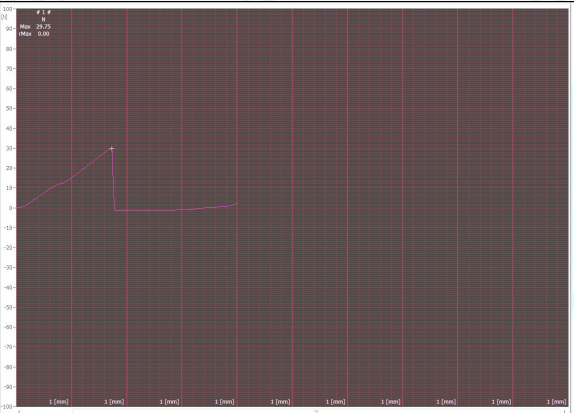
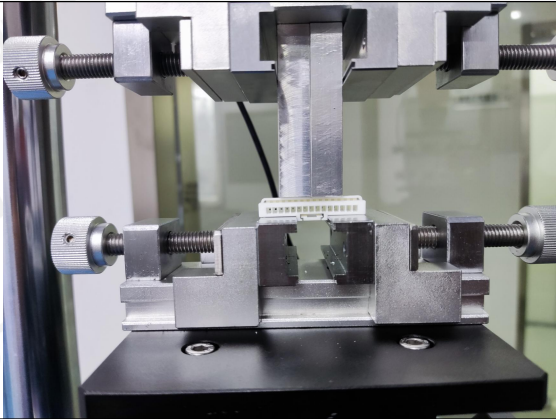
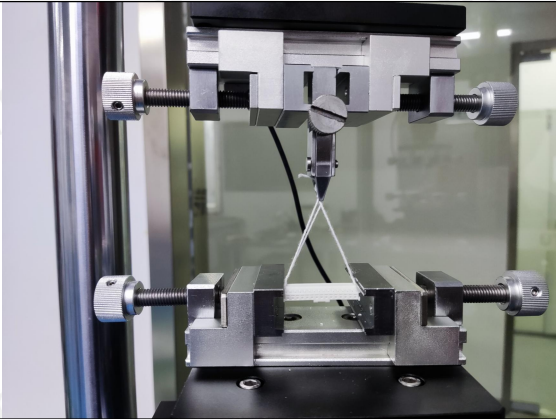
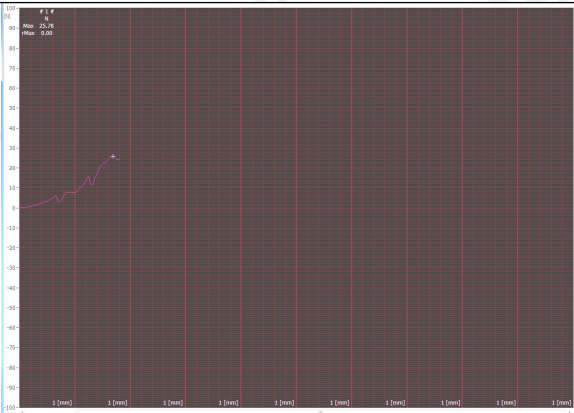
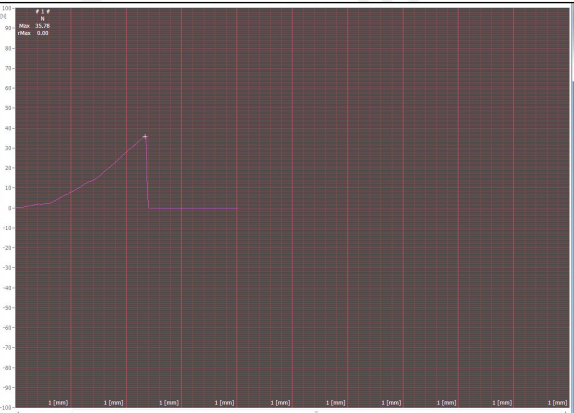
二级锁插入测试 Secondary lock insertion test
(8pin)

二级锁拔出测试 Secondary lock extraction test
(8pin)

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二级锁插入曲线 Secondary lock insertion curve (8pin)	二级锁拔出曲线 Secondary lock extraction curve (8pin)
	
二级锁插入测试 Secondary lock insertion test (15pin)	二级锁拔出测试 Secondary lock extraction test (15pin)
	
二级锁插入曲线 Secondary lock insertion curve (15pin)	二级锁拔出曲线 Secondary lock extraction curve (15pin)

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	/
测试后;After test	/

.....报告结束/End of Report.....

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