

检测报告 TEST REPORT

报告编号 (No.) :UTS23060026R56 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
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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 : TG10 导线拉拔强度; TG10 Contacts:conductor pull-out strength

签发
Approved by

授权签字人

审核
Reviewed by
毛贯南

编制
Prepared by
王彭

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江苏省优联检测技术服务有限公司

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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

2023/07/20

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
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;

P10.1 导线拉拔强度 (只与压接有关);

P10.1 Conductor pull-out strength (only in connection with crimp);

压接导线拉拔强度见下图:

The conductor pull-out strength from the crimp show in following figure;

Cable cross-section	Contact size				
	0,63	1,2/1,5	2,8	4,8	9,5
0,35 mm ²	50 N (75 N)				-
0,5 mm ²	60 N (85 N)				-
0,75 mm ²	85 N (105 N)				-
1,0 mm ²	-	108 N (125 N)		140 N (162 N)	-
1,5 mm ²	-	150 N (180 N)	150 N (180 N)		-
2,5 mm ²	-	-	200 N (235 N)		
4,0 mm ²	-	-	-	310 N (325 N)	
6,0 mm ²	-	-	-	450 N	450 N
10,0 mm ²	-	-	-	-	500 N
16,0 mm ²	-	-	-	-	1 500 N
25 mm ²	-	-	-	-	1 900 N

NOTE If for production reasons the conductor pull-out strength is measured with an insulation crimp/single-wire seal, the values in parentheses apply.

P0.1 目检;

P0.1 Visual inspection;

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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
1#-10#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

导线拉拔强度 Conductor pull-out strength

样品编号 Sample No.	结果 Result	判定依据 Judgment Basis	判定 Determine
1#	87.80N	拉拔力>50N pull-out>50N	符合 PASS
2#	78.44N		符合 PASS
3#	92.36N		符合 PASS
4#	89.85N		符合 PASS
5#	86.97N		符合 PASS
6#	78.62N		符合 PASS
7#	81.89N		符合 PASS
8#	75.86N		符合 PASS
9#	72.23N		符合 PASS
10#	76.33N		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.

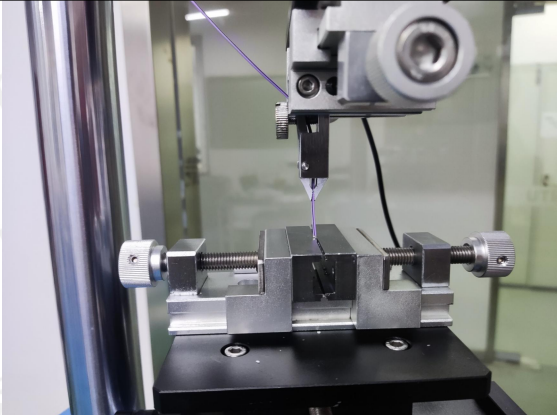
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外观检查 (测试后) Visual inspection after test

样品编号 Sample No.	结果 Result
1#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
2#	导线的铜芯断裂; The copper core of the conductor was broken.
3#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
4#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
5#	导线的铜芯断裂; The copper core of the conductor was broken.
6#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
7#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
8#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
9#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.
10#	端子压接处的线皮脱落; The wire skin at the terminal pressure junction has fallen off.

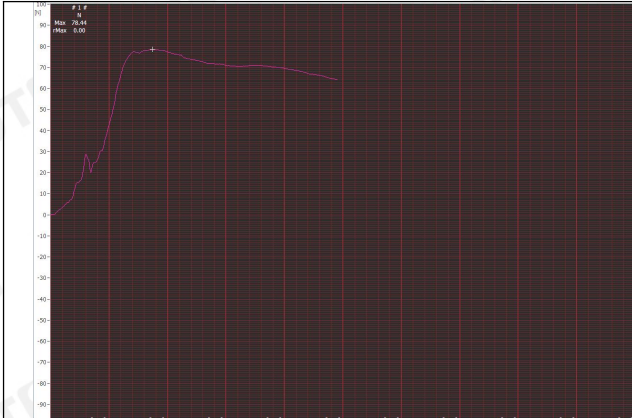
6、测试照片/Test Photo(s)

	
测试前外观检查;Visual inspection before test	导线拉拔强度;Conductor pull-out strength

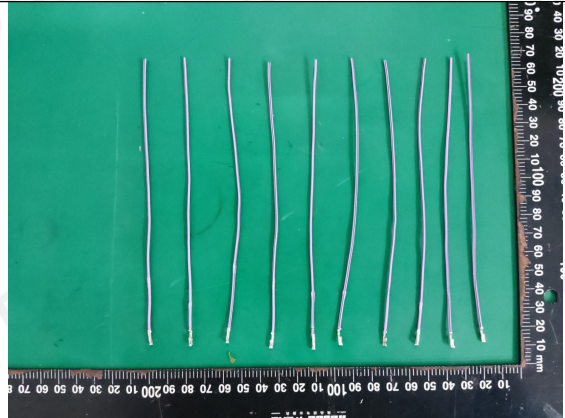
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导线拉拔强度曲线;
Conductor pull-out strength curve



测试后外观检查; Visual inspection after test

.....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.