

检 测 报 告

TEST REPORT

报告编号 (No.) :UTS23060026R58 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 : TG22A 化学稳定性;
TG22A Chemical resistance;

签 发
Approved by
吴建红 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

2023/07/27-2023/07/28

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
电源 Power supply	R-1-093	2024/02/21
数据记录仪 Data Recorder	R-1-097	2023/10/31

4、测试条件/Test Condition

P0.1 目检;

P0.1 Visual inspection;

P12.1 电流过载温度(测量设置大体同 E14.0);

P12.1 Current over temperature (measurement setup basically like P 14.0);

P12.2 不带护套的降额;

P12.2 Derating without contact housing;

P0.1 目检;

P0.1 Visual inspection;

电流过载温度: 逐级施加电流, 测量电流过载温度;

Current over temperature: Loading with incrementally increasing current and measurement of the current over temperature;

必须在图中呈现测量值 80%的特性曲线 (根据 DINEN60512-5-2)。额定电流是指在 80℃时降额曲线上的读数。

The 80% characteristic curve of the measured values must be represented in the graph (as per DIN EN 60512-5-2). The nominal current is the current that can be read from the derating curve at 80 °C ambient temperature.

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

流过载温度测试 Current over temperature test

样品编号 Sample No.	最大电流 Maximum Current(A)	$\Delta T(K)$
1#	6.5	30
2#	7.5	30
3#	5.5	30
平均值;Mean	6.5	30

降额测试 Derating test

序号 No.	$X(\Delta T)$	$Y(\text{Current})$	$\ln x$	$\ln y$	$\ln x \ln y$
1	0.695	0.97	-0.36	-0.03	0.0108
2	2.887	1.95	1.06	0.67	0.7102
3	6.641	2.92	1.89	1.07	2.0223
4	11.992	3.89	2.48	1.36	3.3728
5	18.964	4.86	2.94	1.58	4.6452

$\Sigma (\ln x_i)(\ln y_i)$	$(\Sigma (\ln x_i) \Sigma (\ln y_i))/n$	$\Sigma (\ln x_i)^2$	$(\Sigma (\ln x_i))^2 / n$	$\Sigma \ln y_i / n$	$b^* \Sigma \ln x_i / n$	b	a
10.7613	7.4493	19.6193	12.8320	2.31	1.8616	0.4867	1.1614

电流温升函数: $y=ax^b$ Current-Temperature rise Function : $y=ax^b$

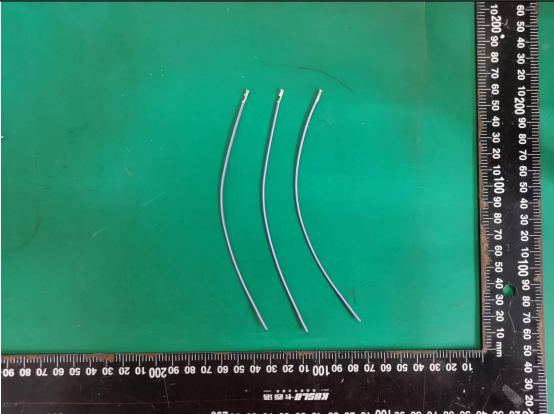
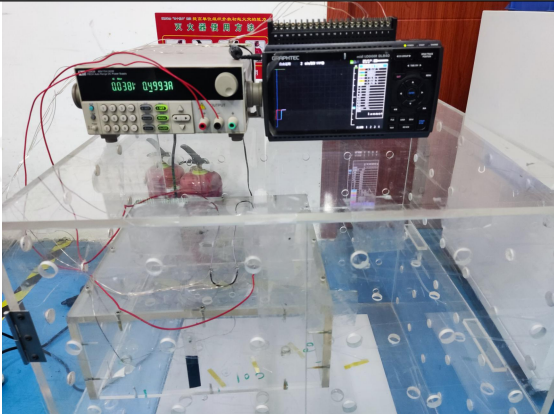
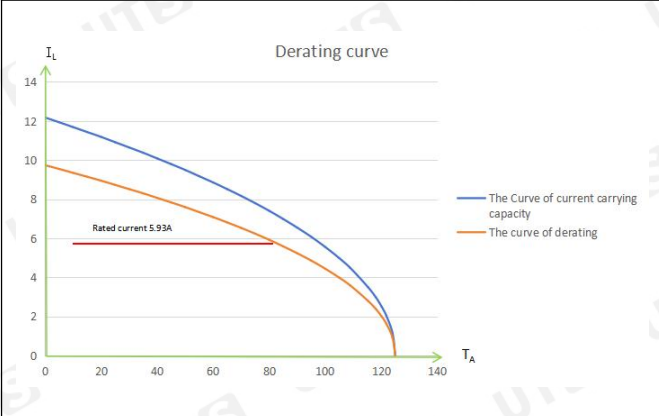
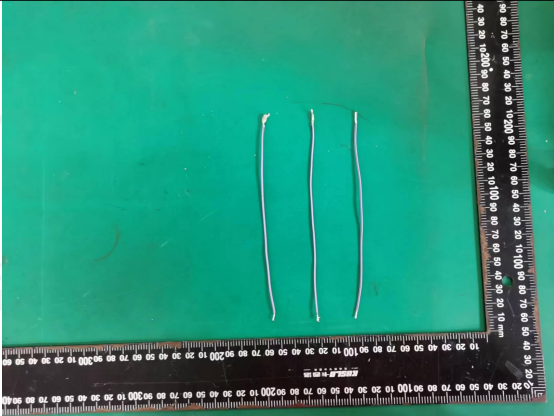
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外观检查 (测试后) Visual inspection after test

样品编号 Sample No.	结果 Result
1#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
2#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
3#	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	降额测试; Derating test
	
降额曲线 The curve of derating	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.