

检 测 报 告

TEST REPORT

报告编号 (No.) :UTS23060026R59 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 : TG13 护套对于降额的影响(有壳体);
TG13 Influence of the contact housing on the derating



签 发 人
Approved by 樊建红 授权签字人

审 核
Reviewed by 毛贯南

编 制
Prepared by 王彭

检 测 报 告
TEST REPORT

报告编号 (No.) :UTS23060026R59

报告日期 (Report Date) : 2023/08/25

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

2023/08/01-2023/08/02

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
直流稳压电源 Dc regulated 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;

P12.1 Current over temperature;

P12.2 带护套的降额;

P12.2 Derating with contact housing;

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
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.

检 测 报 告
TEST REPORT

报告编号 (No.) :UTS23060026R59

报告日期 (Report Date) : 2023/08/25

电流过载温度 Current over temperature test

样品编号 Sample No.	最大电流 Maximum Current(A)	$\Delta T(K)$
1#	4.1	30
2#	4.3	30
3#	4.6	30
平均值 Mean	4.33	

降额测试 Derating test

序号 No.	X (ΔT)	Y (Current)	lnx	lny	lnxlny
1	0.931	0.69	-0.0715	-0.3711	0.0265
2	3.425	1.38	1.2311	0.3221	0.3965
3	7.411	2.07	2.0030	0.7275	1.4572
4	12.911	2.77	2.5581	1.0188	2.6062
5	19.651	3.46	2.9781	1.2413	3.6967

$\Sigma (\ln xi)(\ln yi)$	$(\Sigma (\ln xi) \Sigma (\ln yi))/n$	$\Sigma (\ln xi)^2$	$(\Sigma (\ln xi))^2 / n$	$\Sigma \ln yi / n$	$b * \Sigma \ln xi / n$	b	a
8.1831	5.1125	20.9457	15.1338	0.5877	1.2910	0.5276	0.7183

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

外观检查 (测试后) Visual inspection after test

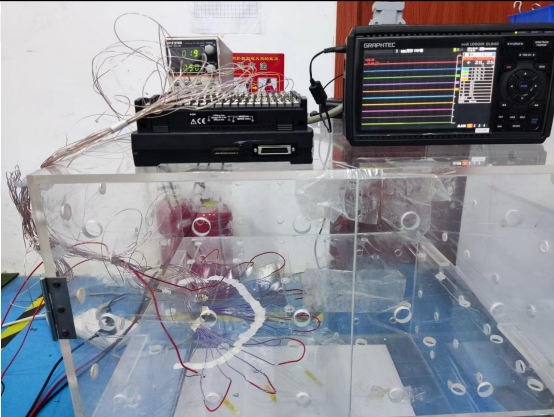
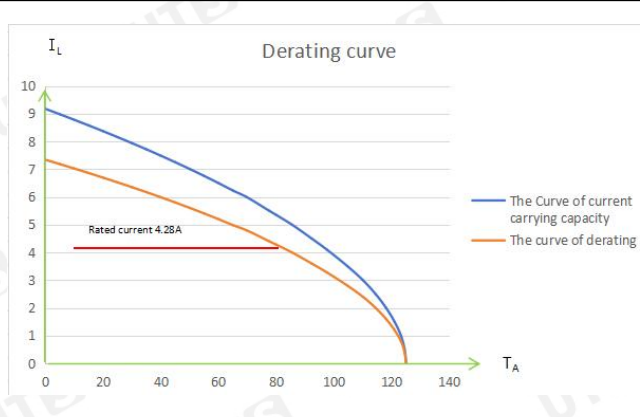
样品编号 Sample No.	结果 Result
1#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
2#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.
3#	没有松动、裂纹、变形等缺陷。 No detrimental looseness, cracks, flaws, deformation, etc.

检测报告 TEST REPORT

报告编号 (No.) :UTS23060026R59

报告日期 (Report Date) : 2023/08/25

6、测试照片/Test Photo(s)

	
测试前外观检查;Visual inspection before test	测试后外观检查; Visual inspection after test
	
降额测试;Derating test	降额曲线;The curve of derating

.....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.