PDL 2P HDR 7.92 SR V/T ASSY NAT

1. INTRODUCTION

1.1 Purpose

Testing was performed on PDL 2P HDR 7.92 SR V/T ASSY NAT to determine its conformance to the customer requirements.

1.2 Scope

This report covers the Glow Wire End Products Test performance of PDL 2P HDR 7.92 SR V/T ASSY NAT. Testing was performed at the Shanghai Electrical Components Test Laboratory on Aug.2th 2018. The associated test number is TP-18-02216.

1.3 Conclusion

Based on the test results, all samples meet the requirement according to IEC 60695-2-11:2014

1.4 Test Specimens

Specimens with the following part numbers were used for test:

Test Request No.	Housing Part No.	Description	Qty. (pcs)	Comments
TP-18-02216	1-179844-1 (179844-1)	PDL 2P HDR 7.92 SR V/T ASSY NAT	5	Raw Material PN: 704924-1

1.5 Test Sequence

Test Item	Test Group (a)
	1
	Test Sequence(b)
Visual examination	1
Glow Wire End Product 850℃ Test	2
Sample Size	Total 5 pcs

Note: a). Test group defined per customer requirement.
b). Numbers indicate sequence in which tests are performed.

1.6 Environmental Conditions

Unless otherwise stated, the following environmental conditions prevailed during testing:

Temperature: 15℃ to 35℃
Relative Humidity: 25% to 75%

2. TEST PROCEDUES

2.1. Visual examination
All specimens were visually examined for evidence of physical damage detrimental to product performance (visually inspected under a stereomicroscope, at a 10x magnification, with suitable illumination).
Test method: IEC 60512-1-1, Test 1a.

2.2. Glow Wire End Product Test
Thermal stabilization of specimens: 24 h at (15-35) ℃ and (45-75) %RH.
Test condition: The extremity of the wire is positioned horizontally and brought into contact with the sample with a force between 0.95±0.1N for a period of 30s. Test temperature: 850℃, Time of glow tip application Ta : 30s
Requirements No flame or Te≤Ti+30s for 850℃.
Test Method: IEC 60695-2-11, 2014.

3. SUMMARY OF TESTING

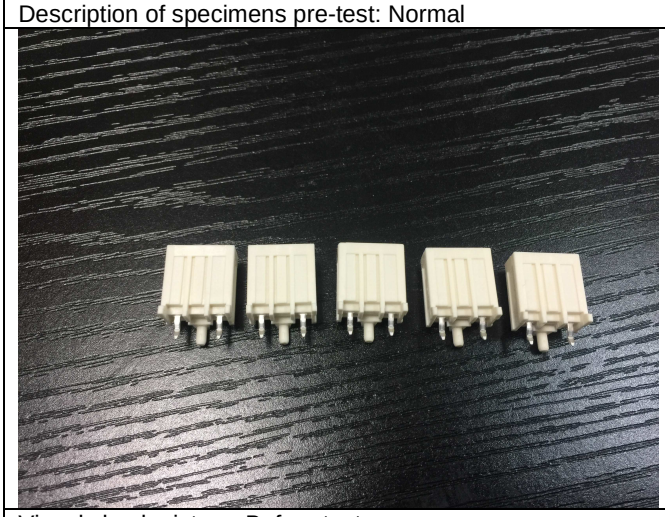
3.1. Initial Examination of Product
All specimens were visually examined and no evidence of physical damage detrimental to product performance was observed.

3.2. Glow Wire End Product Test
Glow wire end product test results of 850℃ see Table 1.

Table 1

Test Item	Qty	Condition	Test Result							
Examination	5	Initial	No Physical Damage							
Glow Wire End Product Test	5	Final (GWEPT 850℃)	Color	Temperature (℃)	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes /no)	Light tissue paper burns (yes/ no)	Judgment
			Natural	A1 (850 ℃)	0	0	0	no	no	Meet Spec
				A2 (850 ℃)	0	0	0	no	no	Meet Spec
				A3 (850 ℃)	0	0	0	no	no	Meet Spec
				A4 (850 ℃)	0	0	0	no	no	Meet Spec
				A5 (850 ℃)	0	0	0	no	no	Meet Spec

Sample Pictures:

Description of specimens pre-test: Normal	Description of specimens post-test: Damage
	
Visual check picture: Before test	Visual check picture: After test

4. CALIBRATION

4.1 Calibration Statement

All equipment containing a calibration number is calibrated and traceable through TE Connectivity (TE).

5. VALIDATION

Requested by:
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