

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 Oct 30, 2017. The associated test number is TP-17-02616.

1.3 Conclusion

Based on the test results, all samples meet the requirement according to IEC 60335-1:2016 and 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-17-02616	1-179844-1 (179844-1)	PDL 2P HDR 7.92 SR V/T ASSY NAT	10	Natural, Raw Material Information - PN: 704924-1

1.5 Test Sequence

Test Item	Test Group (a)
	1
Test Sequence(b)	
Visual examination	1
Glow Wire End Product 750°C Test	2
Sample Size	Total 10 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°C to 35°C
Relative Humidity: 25% to 75%

2. TEST PROCEDURES

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) °C 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: 750°C, Time of glow tip application Ta : 30s
 Requirements: No flame or Te-Ti≤2s for 750°C.
 Test Method: IEC 60335-1, 2016 and 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.

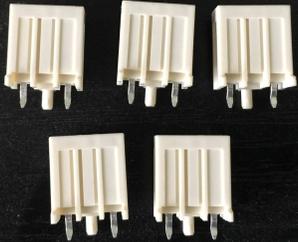
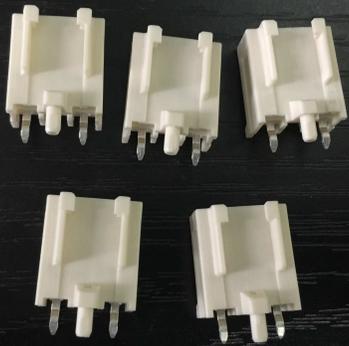
3.2. Glow Wire End Product Test

Glow wire end product test results of 750°C see Table 1.

Table 1

Group	Test Item	QTY	Status	Test Result						
				No Physical Damage						
	Examination	10	Initial	Point of glow tip application	Ti (sec)	Te (sec)	Flame Height (cm)	Drops (yes/no)	Light tissue paper burns (yes/no)	Judgment
PDL 2P HDR 7.92 SR V/T ASSY NAT (1-179844-1/ 179844-1)	Glow Wire End Product Test	10	Final	A(750°C)	0	0	0	no	no	Meet Spec
				A(750°C)	0	0	0	no	no	Meet Spec
				A(750°C)	0	0	0	no	no	Meet Spec
				A(750°C)	0	0	0	no	no	Meet Spec
				A(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec
				B(750°C)	0	0	0	no	no	Meet Spec

Sample Pictures:

<p>Description of specimens pre-test: Normal</p> 	<p>Description of specimens post-test: Carbonized</p> 
<p>Visual check picture: Before test (Point A)</p> 	<p>Visual check picture: After test (Point A)</p> 
<p>Visual check picture: Before test (Point B)</p>	<p>Visual check picture: After test (Point B)</p>

4. CALIBRATION

4.1 Calibration Statement

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

No.	Test Item	Equipment Code	Equipment Application	Calibration Effective Period	Serial No.
1	Examination of Product	/	Visual observation	/	/
2	Glow Wire End Product Test	GW-V	Glow Wire Tester	2018-09-27	E-00586

5. VALIDATION

Requested by:

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