

Product / Process Change Notification (PCN)

Honeywell Juarez Optoelectronica

PCN #	435	Notification Date:	01/27/2022
Title:	Change the resin of the terminal housing from 32346213-001 (ZYTEL HTN 54G15HSLR BK031) to 32322269-001 (ADELL AH-38BK 912671)		
PCN type:	Notification only <input type="checkbox"/>	Authorization	<input checked="" type="checkbox"/>

Honeywell Contact

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Product Identification

Affected Part # (s)	All UL and NON-UL Key switches of screw terminal. List of specific part numbers will be shared if it's required.
Revision # (s)	All the applicable revisions.
Does this change result in product number change?	
YES	<input type="checkbox"/> NO <input checked="" type="checkbox"/>

Reason for Change: (check all that apply)

Material	<input checked="" type="checkbox"/>	Processing / Manufacturing	<input type="checkbox"/>
Design / Firmware / Software	<input type="checkbox"/>	Datasheet	<input type="checkbox"/>
Logistics	<input type="checkbox"/>	Functional	<input type="checkbox"/>
Appearance	<input type="checkbox"/>	Dimensional	<input type="checkbox"/>
Quality / Reliability	<input type="checkbox"/>	Other:	<input type="checkbox"/>

Change Description (include detailed process steps as applicable)

Documentation attached:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Change the resin of the terminal housing from 32346213-001 (ZYTEL HTN 54G15HSLR BK031) to 32322269-001 (ADELL AH-38BK 912671)		

Justification for change

Documentation attached:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
<p>The proposed resin 32322269-001 (ADELL AH-38BK 912671) is more compatible with our molding and assembly process to meet the specifications of the terminal housing. Additionally, it's a UL Recognized plastic.</p> <p>Fit, form and function of the final product will be not affected.</p>		

Quantifiable impact on Quality & Reliability (Include FMEA / reliability data as applicable)

Documentation attached: YES ☐ NO ☒

No quantifiable impact on quality or reliability

Identification method to distinguish change

Date code: 21189 (First day when we assembled units with the proposed resin)

Results Qualification Plan

Documentation attached: YES ☐ NO ☒

Samples: Available ☐ Will be available: ☒ Not Applicable ☐

Sample availability date: When required

Testing is complete.
All tests Passed.

Temperature rise:

Sample 9a passed
Sample 9b passed
Sample 8a passed
Sample 8b passed

Electrical testing:

Samples 8a and 9a (12VDC 20A):

Passed: 50 cycle overload, 50 cycle over voltage, 10 cycle as fast as possible, 990 cycle 0.5 second delay tests.
Passed: 5000 cycle 1 second on 9 second off test.

Samples 8b and 9b (48VDC 4A):

Passed: 50 cycle overload, 50 cycle over voltage, 10 cycle as fast as possible, 990 cycle 0.5 second delay tests.
Passed: 5000 cycle 1 second on 9 second off test.

Dielectric Withstanding Voltage test:

Sample 8a, 8b, 9a, and 9b:

Passed: Housing & key to All terminals tested.
Passed: Circuit 1 (terminals B & 1 & 3) to Circuit 2 (B1 & 2 & 4) test.
Note: Contact gap tests (B to 1, B to 3, B1 to 2, B1 to 4) not required per UL.

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Customer Acknowledgement & Disposition (applicable for AUTHORIZATION PCN type only)

Honeywell requests that you acknowledge receipt of this change notification and provide your written authorization. Please sign and e-mail to ana.rosales@honeywell.com and contact listed above.

Approved:	<input checked="" type="checkbox"/>
Rejected:	<input type="checkbox"/>
Reject Reason: (if applicable)	
Disposition Date:	
Company:	
Name:	
Title:	
Business Phone:	
Fax #	
E-mail:	
Location:	
Comments: (if any)	

For PCN's of type notification only, the factory will start shipping product as soon as the PCN is sent out to customers.