

**Product / Process Change Notification (PCN)**  
Honeywell Sensing and IOT (SIOT)

PCN #	0038	Notification Date:	September 02, 2019
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Title:	Add The Resin Zytel PDHTN54G15HSLRBK031 To Our Bill Of Materials.
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**Honeywell Contact**

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**Product Identification**

Affected Part # (s)	All terminals key switches. 
Revision # (s)	N/A

Does this change result in product number change?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
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**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"/>
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(Include process description if needs to explain change)

We will add the resin Zytel PDHTN54G15HSLRBK031 to our Bill Of Materials. The new resin (Zytel PDHTN54G15HSLRBK031) will be the principal source and the resin Minlon 10B40 BK061 will be our second option only in case of having a shortage of the new resin.

These resins will be used to build the terminal housing of our key switch product family, so the fit, form and function of the final products will not change.

The datasheet will update with the information shown below:

Screw Terminal Key Switches: MCTF Specification for resistive loads with a 90% confidence interval

- \*Resistive loads.
- \*Each circuit loaded at the maximum rated current/voltage
- \*50% duty cycle (1 second on, 1 second off)
- \*Spec for failure is > 2% voltage drop.



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Electrical operating rating (res.).....Cycle life  
 20A, 12VDC.....7,800 cycles  
 10A, 24VDC.....12,900 cycles  
 4A, 48VDC.....13, 200 cycles

The new proposed resin (Zytel PDHTN54G15HSLRBK031) meets UL & CE requirements. UL paperwork was updated in May 2019

#### Justification for change

Documentation attached: YES  NO

Currently the only resin validated to build the terminal housing of the listed products is Minlon 10B40 BK061, we are suggesting to add the resin Zytel PDHTN54G15HSLRBK031 to our bill of materials to reduce the percent of internal scrap and additional molding operations that were added to our process when we changed to the resin Minlon 10B40 BK061 last year.

Additionally, to have two validated resins will provide us more options and flexibility to meet customer expectations in terms and quality and delivery

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

Documentation attached: YES  NO

It is not applicable

#### Identification method to distinguish change

This change will be applicable starting Date Code 19319 (YYDDD)  
November 15, 2019

#### Results Qualification Plan

Documentation attached: YES  NO

Samples: Available  Will be available:  Not Applicable

Sample availability date: When required

Documentation will be shared if it is required



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## Customer Acknowledgement & Disposition *(if applicable)*

Honeywell requests that you acknowledge receipt of this change notification. Please sign and e-mail to [SIOTQuality@Honeywell.com](mailto:SIOTQuality@Honeywell.com) and contact listed above.

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