

## Product / Process Change Notification (PCN)

- Major change  
 Minor change

<b>PCN #:</b>	PCN_ConDCPJ_20220301	<b>Change Category:</b>	<input type="checkbox"/> Equipment / Location
<b>Affected Series:</b>	WR-DCPJ ; 694102304002, 694103304002	<input checked="" type="checkbox"/> General Data	<input checked="" type="checkbox"/> Material
<b>PCN Date:</b>	December 15, 2021	<input type="checkbox"/> Process	<input type="checkbox"/> Product Design
<b>Effective Date:</b>	March 01, 2022	<input type="checkbox"/> Shipping / Packaging	<input type="checkbox"/> Supplier
		<input type="checkbox"/> Software	
<b>Contact:</b>	Product Management	<b>Data Sheet Change:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Phone:</b>	+49 (0) 7942 - 945 5001	<b>Attachment:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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### DESCRIPTION AND PURPOSE OF CHANGE:

In order to enhance the product reliability, Würth Elektronik will change the insulator plastic material. Material & plating of the tip spring terminal & the shunt terminal will also be changed.

Also contact resistance between tip spring terminal & shunt terminal will be add in the datasheet specifications.

Products after product change with effective date of MARCH, 01 2022 are available from Date Code **2021-11-01**.

There will be no change in fit and function of the product.

### DETAIL OF CHANGE:

#### (1) Plastic material change.

#### BEFORE

##### Material Properties:

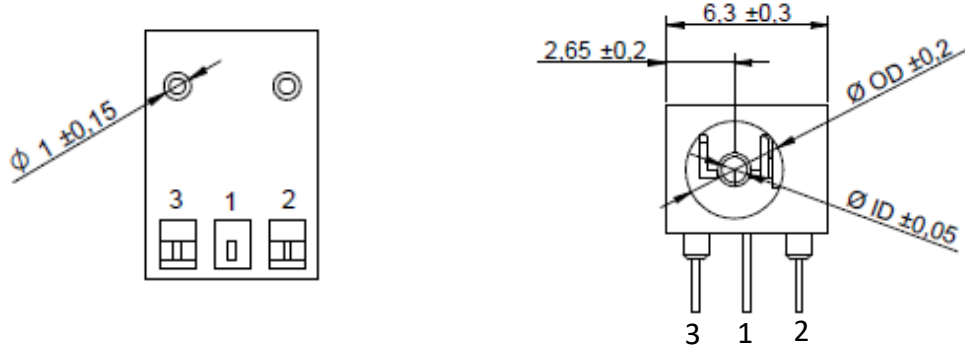
Insulator Material	PA66
Insulator Flammability Rating	UL94 V-0
Insulator Color	Black

#### AFTER

##### Material Properties:

Insulator Material	PAST
Insulator Flammability Rating	UL94 V-0
Insulator Color	Black

**(2) Tip spring & shunt terminal material change.**



	BEFORE	AFTER
1: Center pin terminal - material	Copper alloy	Copper alloy
2: Shunt terminal - material	Copper alloy	Copper alloy
3: Tip spring terminal - material	Copper alloy	Stainless steel

**(3) Tip spring & shunt terminal plating change.**

**BEFORE**

Center Pin Plating	Gold
Shunt Terminal Plating	Tin
Tip Spring Plating	Tin

**AFTER**

Center Pin Plating	Gold
Shunt Terminal Plating	Gold
Tip Spring Plating	Gold

Gold flash over nickel for all 3 terminals.

**(4) Add specification : contact resistance between tip spring & shunt terminal value**

Contact resistance between tip spring & shunt terminal = 120 mΩ max.

**Würth Elektronik eiSos GmbH & Co. KG**

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#### **RELIABILITY / QUALIFICATION SUMMARY:**

- Temperature Rise (EIA-364-70)
- Low Level Contact Resistance (EIA 364-23C) (before & after durability)
- Insulation Resistance (EIA364-21)
- Withstanding voltage (EIA364-20-Method B)
- Durability (5000 mating cycles) (EIA 364-09) & Mating – Unmating forces (EIA 364-13)
- Solderability (EIA 364-52)