



## Product / Process Change Notification (PCN)

- Major Change  
 Minor Change

**PCN Number:** PCN\_IndPD2\_20250203

**Affected Series:** WE-PD2

**Affected Order Codes:** Please see table below in "Details of Change", Table 1

**PCN Date:** 2024-11-03 (YYYY-MM-DD)

**Effective Date:** 2025-02-03 (YYYY-MM-DD)

### Change Category:

- Equipment/Location  
 General Data  
 Material  
 Process  
 Product Design  
 Shipping/Packaging  
 Supplier  
 Software

**Contact:** Product Management

**Phone:** +49 (0) 7942 - 945 5001

**Fax:** +49 (0) 7942 - 945 5179

**E-Mail:** pcn.eisos@we-online.com

### Datasheet Change:

Yes  No

### Attachment:

Yes  No

### Description of Change:

In line with internal standardization, Würth Elektronik will ensure some datasheet improvements for the product series WE-PD2 with sizes and order codes indicated in table 1.

This is a datasheet change only. There will be no change in form, fit, function, quality or reliability of the product.



**Details of Change:**

Table 1. Affected order codes:

**Size 3521**

7447732010	7447732015	7447732022	7447732033	7447732047
7447732068	7447732110	7447732115	7447732122	7447732133
7447732147	7447732168	7447732210	-	-

Table 2. Affected order codes:

**Size 4532**

7447730	744773014	744773018	744773022	744773027
744773033	744773039	744773047	744773056	744773068
744773082	74477310	744773112	744773115	744773118
744773122	744773127	744773133	744773139	744773147
744773156	744773168	-	-	-

**1 – Performance Rated Current:**

Performance Rated Current and Rated Current for the series WE-PD2 with sizes and order codes indicated in table 1, will be standardized in the datasheet agreeing to IEC 62024-2:2020 standard. Performance Rated Current will supersede Rated Current. Because of this, the phrase Rated Current will not be used anymore. Typical Temperature Rise vs. Current Characteristics curves will be standardized accordingly.

As an illustration of the standardization, the changes in the Electrical Properties Table is summarized as follows:

Table 3. Performance Rated Current:

Before the Change	After the Change																				
<p><b>Electrical Properties:</b></p> <table border="1"> <thead> <tr> <th>Properties</th> <th>Test conditions</th> <th>Value</th> <th>Unit</th> <th>Tol.</th> </tr> </thead> <tbody> <tr> <td>Rated Current</td> <td><math>I_R</math> <math>\Delta T = 40\text{ K}</math></td> <td>2.55</td> <td>A</td> <td>max.</td> </tr> </tbody> </table>	Properties	Test conditions	Value	Unit	Tol.	Rated Current	$I_R$ $\Delta T = 40\text{ K}$	2.55	A	max.	<p><b>Electrical Properties:</b></p> <table border="1"> <thead> <tr> <th>Properties</th> <th>Test conditions</th> <th>Value</th> <th>Unit</th> <th>Tol.</th> </tr> </thead> <tbody> <tr> <td>Performance Rated Current <sup>1)</sup></td> <td><math>I_{RP,40K}</math> <math>\Delta T = 40\text{ K}</math></td> <td>3.0</td> <td>A</td> <td>max.</td> </tr> </tbody> </table> <p><sup>1)</sup> refer to IEC 62024-2:2020</p> <p>Test conditions of Performance Rated Current: refer to IEC 62024-2, Class B (PCB Copper Width: 40 mm, PCB Copper Thickness: 35 <math>\mu\text{m}</math>)</p>	Properties	Test conditions	Value	Unit	Tol.	Performance Rated Current <sup>1)</sup>	$I_{RP,40K}$ $\Delta T = 40\text{ K}$	3.0	A	max.
Properties	Test conditions	Value	Unit	Tol.																	
Rated Current	$I_R$ $\Delta T = 40\text{ K}$	2.55	A	max.																	
Properties	Test conditions	Value	Unit	Tol.																	
Performance Rated Current <sup>1)</sup>	$I_{RP,40K}$ $\Delta T = 40\text{ K}$	3.0	A	max.																	



Table 4. Performance Rated Current data:

**Size 3521**

	Before the Change	After the Change
Part number	Rated Current [A]	Performance Rated Current [A]
	40 K	40 K
7447732010	2.55	3.0
7447732015	2.08	2.5
7447732022	1.71	2.2
7447732033	1.39	1.9
7447732047	1.16	1.6
7447732068	0.96	1.4
7447732110	0.8	1.15
7447732115	0.64	0.95
7447732122	0.53	0.7
7447732133	0.43	0.6
7447732147	0.36	0.5
7447732168	0.3	0.4
7447732210	0.24	0.3



Table 5. Performance Rated Current data:

**Size 4532**

	Before the Change	After the Change
Part number	Rated Current [A]	Performance Rated Current [A]
	40 K	40 K
7447730	4.0	5.55
744773014	3.4	4.45
744773018	2.7	3.9
744773022	2.5	3.5
744773027	2.25	3.25
744773033	2.0	3.15
744773039	1.88	2.7
744773047	1.82	2.6
744773056	1.58	2.4
744773068	1.54	2.3
744773082	1.5	1.85
74477310	1.45	1.8
744773112	1.28	1.55
744773115	1.2	1.35
744773118	1.1	1.25
744773122	1.0	1.2
744773127	0.94	1.05
744773133	0.86	1.0
744773139	0.77	0.9
744773147	0.68	0.8
744773156	0.64	0.7
744773168	0.56	0.65



## 2 – Saturation Current:

The saturation data @ 10% is updated according to standardized measuring methods plus the saturation data @ 30 % is added.

Table 6. Saturation Current data:

### Size 3521

Part number	Before the Change	After the Change	
	Saturation Current [A]	Saturation Current [A]	
	$ \Delta L/L  < 10\%$	$ \Delta L/L  < 10\%$	$ \Delta L/L  < 30\%$
7447732010	3.7	3.7	4.3
7447732015	3.05	3.05	3.6
7447732022	2.54	2.54	3.0
7447732033	2.09	2.09	2.45
7447732047	1.77	1.77	2.1
7447732068	1.48	1.48	1.78
7447732110	1.23	1.23	1.45
7447732115	1.01	1.01	1.18
7447732122	0.84	0.84	0.97
7447732133	0.7	0.7	0.83
7447732147	0.59	0.59	0.69
7447732168	0.49	0.49	0.57
7447732210	0.41	0.41	0.47



Table 7. Saturation Current data:

**Size 4532**

Part number	Before the Change	After the Change	
	Saturation Current [A]	Saturation Current [A]	
	$ \Delta L/L  < 10\%$	$ \Delta L/L  < 10\%$	$ \Delta L/L  < 30\%$
7447730	5.72	5.72	6.6
744773014	5.04	5.04	5.8
744773018	3.6	4.4	5.1
744773022	3.38	4.1	4.7
744773027	2.97	3.5	4.05
744773033	2.88	3.3	3.8
744773039	2.57	3.1	3.55
744773047	2.46	2.9	3.3
744773056	2.43	2.43	2.8
744773068	2.1	2.1	2.4
744773082	1.8	1.8	2.08
74477310	1.74	1.74	2.0
744773112	1.62	1.62	1.85
744773115	1.46	1.46	1.65
744773118	1.29	1.29	1.49
744773122	1.22	1.22	1.42
744773127	1.0	1.15	1.32
744773133	0.9	1.1	1.26
744773139	0.87	0.95	1.1
744773147	0.77	0.85	0.98
744773156	0.75	0.82	0.94
744773168	0.68	0.75	0.86

**Reliability / Qualification of Change:**

There will be no change of the product, therefore no additional reliability or qualification testing was performed.