Würth Elektronik eiSos GmbH & Co. KG
EMC & Inductive Solutions
Max-Eyth-Straße 1 · 74638 Waldenburg · Germany
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Product / Process Change Notification (PCN)

☒ Major change
☐ Minor change

PCN #:	PCN_IndMAPI_20230331
Affected Series:	WE-MAPI; 74438324xxx, 744383xxx
PCN Date:	December 31, 2022
Effective Date:	March 31, 2023

Change Category:

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

Contact:	Product Management
Phone:	+49 (0) 7942 - 945 5001
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Data Sheet Change:
☒ Yes ☐ No

Attachment:
☐ Yes ☒ No

Description and purpose of change:

To increase the production capability, Würth Elektronik will implement **a second production location in Thailand, for the series WE-MAPI, size 2512**, with part number range of 74438324xxx.

Additionally due to internal standardization, Würth Elektronik will apply the **Rated Current measurement conditions according to IEC 62024-2:2020 standard with Class C PCB** and will adjust the Rated Current values accordingly for the WE-MAPI series with part number range of 744383xxx.
For further information, please refer to our landing page: What do rated current values mean? (we-online.com)

There will be no change in form, fit, function, quality or reliability of the product.

Würth Elektronik eiSos GmbH & Co. KG Sitz Waldenburg, Registergericht Stuttgart HRA 580801
Komplementär Würth Elektronik eiSos Verwaltungs-GmbH, Sitz Waldenburg, Registergericht Stuttgart HRB 581033
Geschäftsführer Thomas Schrott, Alexander Gerfer, Thomas Wild, Dirk Knorr, Josef Wörner
Bankverbindung UniCredit Bank AG Stuttgart, Konto 322 620 136, BLZ 600 202 90, IBAN DE86 6002 0290 0322 6201 36, SWIFT/BIC HYVEDEMM473
USt.-IdNr. DE220618976

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Detail of Change:

Products within size 2512 after product change with effective date of March 31, 2023 will be available from Date Code 2023-01-01 and can be identified by the Lot number specification below:

Lot No: 632 xx xxx xxxx xxx

The change in the Rated Current measurement conditions will result in the following parameter alterations:

		Rated Current before change [A]	**Rated Current after change [A]**
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
744383130033	1610	1.9	3.25
744383130047	1610	1.7	2.95
744383130056	1610	1.65	2.7
744383130068	1610	1.55	2.55
744383130082	1610	1.45	2.35
74438313010	1610	1.4	2.2
74438313012	1610	1.3	2.1
74438313015	1610	0.95	1.8
74438313022	1610	0.85	1.25
744383430033	2010	2.5	4.35
744383430047	2010	2.3	3.9
744383430056	2010	2.1	3.6
744383430068	2010	2	3.3
744383430082	2010	1.9	3.15
74438343010	2010	1.8	2.8
74438343012	2010	1.5	2.4
74438343015	2010	1.3	2.05
74438343022	2010	1.1	1.65
744383210047	2506	2.2	3.25
74438321010	2506	1.25	2.1
744383220047	2508	2.25	3.35
74438322010	2508	1.75	2.65
74438322022	2508	1.34	1.65

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		Rated Current before change [A]	Rated Current after change [A]
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
744383230033	2510	3.4	5.5
744383230047	2510	3.2	4.8
744383230068	2510	3.1	4.25
744383230082	2510	2.6	3.9
74438323010	2510	2.5	3.55
74438323012	2510	1.9	3.05
74438323015	2510	1.8	2.85
74438323022	2510	1.3	2.2
74438323033	2510	1.25	1.75
74438323047	2510	0.94	1.4
74438323068	2510	0.85	1.05
74438323082	2510	0.7	0.95
74438323100	2510	0.6	0.9
744383240047	2512	3.4	5.35
744383240056	2512	3.3	4.75
744383240068	2512	3.2	4.25
74438324010	2512	2.8	4.05
74438324012	2512	2.4	3.4
74438324015	2512	2.2	3.05
74438324022	2512	1.6	2.45
74438324033	2512	1.3	1.7
74438324047	2512	1	1.45
74438324056	2512	0.95	1.25
74438324068	2512	0.9	1.05
74438324082	2512	0.8	0.95
74438324100	2512	0.7	0.9
74438333022	3010	1.4	2.35
74438333033	3010	1.1	1.85
74438333047	3010	0.9	1.45

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		Rated Current before change [A]	Rated Current after change [A]
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
744383340033	3012	4.8	7.4
744383340047	3012	4	6.8
744383340056	3012	3.6	5.8
744383340068	3012	3.5	5.15
74438334010	3012	2.75	4.75
74438334012	3012	2.65	4.05
74438334015	3012	2	3.3
74438334022	3012	1.8	2.9
74438334033	3012	1.4	2.25
74438334047	3012	1.1	1.7
74438334056	3012	1	1.45
74438334068	3012	0.88	1.4
744383350047	3015	4.6	7.1
744383350068	3015	4.1	6.3
744383350082	3015	3.5	5.7
74438335010	3015	2.7	4.95
74438335022	3015	1.8	3
74438335033	3015	1.7	2.7
74438335047	3015	1.5	2.4
74438335068	3015	1.1	1.75
74438335100	3015	0.85	1.25
74438335150	3015	0.65	0.95
74438335220	3015	0.6	0.85
74438335330	3015	0.5	0.7
74438335470	3015	0.39	0.55

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		Rated Current before change [A]	Rated Current after change [A]
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
744383360033	3020	5.5	8.7
744383360047	3020	4.8	7.55
744383360068	3020	4.5	6.75
74438336010	3020	4	6.15
74438336012	3020	3.9	5.65
74438336015	3020	3.7	5.35
74438336022	3020	2.4	3.6
74438336033	3020	1.9	2.9
74438336047	3020	1.9	2.4
74438336068	3020	1.6	2.15
74438336100	3020	1.2	1.65
744383560033	4020	9.6	14.95
744383560056	4020	8.5	13.65
744383560068	4020	8.2	13.15
74438356010	4020	7.2	10.1
74438356012	4020	5.8	8.9
74438356015	4020	5.8	8.6
74438356018	4020	4.6	6.8
74438356022	4020	4.7	6.2
74438356033	4020	3.6	5.15
74438356047	4020	2.9	4
74438356056	4020	2.8	3.85
74438356150	4020	1.9	2.1
74438356220	4020	1.7	1.85

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		Rated Current before change [A]	Rated Current after change [A]
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
74438357010	4030	7.4	10.25
74438357012	4030	7	9.4
74438357015	4030	6.2	8.2
74438357018	4030	5.8	7.9
74438357022	4030	5.2	7.1
74438357033	4030	5	6.1
74438357047	4030	3.9	5.1
74438357056	4030	3.6	4.7
74438357068	4030	3	3.75
74438357082	4030	2.8	3.45
74438357100	4030	2.7	3.05
744383660082	5020	8.8	13.25
74438366010	5020	7.8	11.1
74438366015	5020	6.7	8.45
74438366022	5020	6	7.4
74438366033	5020	5	6.1
74438366047	5020	4.1	4.65
74438367010	5030	9	11.85
74438367022	5030	7.5	9.8
74438367033	5030	6.2	8
74438367047	5030	5.5	6.45
74438367068	5030	4.3	5.3
74438367082	5030	4.4	4.85
74438367100	5030	3.3	4.3

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		Rated Current before change [A]	Rated Current after change [A]
Test conditions:		ΔT = 40K	ΔT = 40K
Tolerance:		max.	max.
Part Number	**Size**	-	**Refer to: IEC 62024-2:2020, Class C PCB**
744383560033HT	4020	9.9	13.3
744383560047HT	4020	8.5	12.7
744383560056HT	4020	8.2	12.15
744383560068HT	4020	8.1	11.7
74438356010HT	4020	7.2	8.75
74438356012HT	4020	5.8	8
74438356015HT	4020	5.5	7.45
74438356018HT	4020	4.6	6.05
74438356022HT	4020	4.5	5.9
74438356033HT	4020	3.6	4.45
74438356047HT	4020	3	3.7
74438356056HT	4020	2.9	3.5

Reliability / Qualification Summary:

Product approval for size 2512 is according to the AEC-Q200 Change Management and is internally released by the Product Management Department.

The following items are part of the internal release process:

- High Temperature Exposure / MIL-STD-202G Method 108
- Temperature Cycling / JESD22 Method JA-104
- Biased Humidity / MIL-STD-202 Method 103
- Operational Life / MIL-PRF-27
- Vibration / MIL-STD-202 Method 204
- Resistance to Soldering Heat / MIL-STD-202 Method 210 J-STD-020
- Electrical Characterization / User Spec.
- Terminal Strength(SMT) / AEC-Q200-006
- Low Temperature Storage Life / JESD22-A119

As to the adjustment of the Rated Current, there will be no change of the product, therefore no additional reliability or qualification testing will be performed.