Würth Elektronik eiSos GmbH & Co. KG
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WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

Product / Process Change Notification (PCN)

☐ Major Change
☒ Minor Change

PCN Number:	PCN_IndHCF_IndHCFT_20241115
Affected Series:	WE-HCF, WE-HCFT
Affected Order Codes:	See table 1 for list of affected order codes
PCN Date:	2024-08-15 (YYYY-MM-DD)
Effective Date:	2024-11-15 (YYYY-MM-DD)

Change Category:

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

Contact:	Product Management
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Datasheet Change:
☒ Yes ☐ No

Attachment:
☐ Yes ☒ No

Description of Change:

Alteration (1):
To meet current customer demands, Würth Elektronik eiSos will include the information regarding operating voltage in the datasheets based on internal test procedure.
This is an inclusion of information in the datasheet only. There will be no change in form, fit, function, quality, or reliability of the product.

Alteration (2):
In line with internal standardization, Würth Elektronik eiSos will implement a minor correction in the component's schematics, including the indication that the component is shielded and has a SOW (Start of Winding) indication.
There will be no change in form, fit, function, quality, or reliability of the product.

Alteration (3):
Due to packaging optimizations, Würth Elektronik eiSos will improve the product's packing method for the products using Tape and Reel (T&R).
The change will take effect only for lot numbers started with '321' and the new revision of the affected order codes will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).
There will be no change in form, fit, function, quality, or reliability of the product.

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Alteration (4):

Due to internal standardization, Würth Elektronik eiSos will update the dimensional drawings for series WE-HCFT size 2012.

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

Table 1: List of order codes affected by this PCN.

WE-HCF 2010	7443642010030	7443642010050	7443642010060	7443642010068
	7443642010080	7443642010090	7443642010100	7443642010120
	7443642010200			
WE-HCF 2012	7443752012230			
WE-HCF 2013	7443630070	7443630140	7443630220	7443630310
	7443630420	7443630550	7443630700	7443630860
	7443631000	7443631500	7443632200	7443633300
	7443634700			
WE-HCF 2815	74436410150	74436410220	74436410330	74436410470
	74436410680	74436411000	74436411500	74436412200
	74436413300			
WE-HCF 2818	7443640330	7443640470	7443640680	7443641000
	7443641500	7443642200	7443643300	7443644700
WE-HCF 2818B	7443640100B	7443640150B	7443640330B	7443640470B
	7443640680B	7443641000B		
WE-HCF 2920 Litz Wire	74437429203101	74437429203151	74437429203330	74437429203470
	74437429203680	74437429203100	74437429203150	74437429203220
WE-HCF 2920 Round Wire	74437529203101	74437529203151	74437529203220	74437529203221
	74437529203330	74437529203331	74437529203470	74437529203471
	74437529203680	74437529203681		
WE-HCFT 2012	7443782012033	7443782012047	7443782012068	7443782012082
	7443782012100	7443782012150		
WE-HCF 2504	7443762504010	7443762504022	7443762504047	7443762504068
	7443762504100			
WE-HCFT 3521	7443763521015	7443763521022	7443763521033	
WE-HCFT 3533	7443783533220	7443783533330	7443783533470	7443783533650
WE-HCFT 3540	7443763540068	7443763540100	7443763540150	7443763540220
	7443763540330	7443763540470		
WE-HCFT 2920 Round	74437829203681			
WE-HCFT 2818	7443762818100	7443762818150		

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Details of Change:

Alteration (1):

Operating voltage will be included in the datasheets and Table 2 presents a summary of information to be implemented for each size of series WE-HCF and WE-HCFT.

Table 2: Inclusion of operating voltage in the datasheet.

	Operating Voltage	
Series and size	**Before Change**	**After Change**
WE-HCF 2010	80 V	80 V
WE-HCF 2013	Not informed	80 V
WE-HCF 2818	Not informed	250 V
WE-HCF 2818B	Not informed	250 V
WE-HCF 2815	Not informed	250 V
WE-HCF 2920 Litz Wire	Not informed	250 V
WE-HCF 2920 Round Wire	Not informed	250 V
WE-HCFT 2012	Not informed	80 V
WE-HCFT 2504	80 V	80 V
WE-HCFT 3521	Not informed	250 V
WE-HCFT 3533	Not informed	250 V
WE-HCFT 3540	Not informed	250 V

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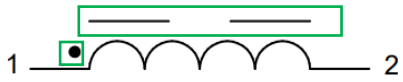
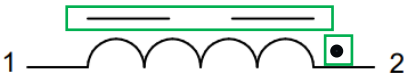
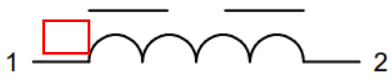
Alteration (2):

The schematics from series WE-HCF and WE-HCFT will be adjusted as indicated in Table 3.

Table 3: Minor update of schematics for WE-HCF and WE-HCFT.

Series and size	Before Change	After Change
WE-HCF 2920 Litz Wire **WE-HCF 2020 Round Wire** **WE-HCFT 2504**	The original drawing has no lines above component (shielded component with airgap) neither start of winding (SOW) dot. 	The correction consists of the inclusion of two lines over schematic to represent that it is a shielded and air-gapped component and start of winding (SOW) dot (pin 1). 
WE-HCF 2010	The original drawing has no SOW dot. 	The correction consists of the inclusion of SOW dot (pin 1). 
WE-HCF 2013 **WE-HCF 2815** **WE-HCF 2818** **WE-HCF 2818B**	The original drawing has no lines above component (shielded component with airgap) neither SOW dot. 	The correction consists of the inclusion of two lines over schematic to represent that it is a shielded and SOW dot (pin 2). 
WE-HCFT 2504	The original drawing has no SOW dot. 	The correction consists of the inclusion of SOW dot (pin 1). 

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Alteration (3):

To reduce the amount of packaging waste in the product series WE-HCF and WE-HCFT, with sizes and order codes indicated in Table 4, the inner boxes will be omitted. No plastic filler will be used, and every reel will be stacked and separated by paperboard. The outer box dimension will be updated accordingly. Additional details of the changes can be found in Table 5. The modification is only valid for products with Tape and Reel (T&R) packaging and lot numbers started with '321', being not applicable when tray packaging is used.

Table 4: Affected order codes for packaging update.

a. Order codes for WE-HCF size 2010:				
7443642010100	7443642010120	7443642010200		

b. Order codes for WE-HCF size 2013:				
7443630070	7443630140	7443630220	7443630310	7443630420
7443630550	7443630700	7443630860	7443631000	7443631500
7443632200	7443633300	7443634700	7443630700A	

c. Order codes for WE-HCF size 2012:				
7443752012230				

d. Order codes for WE-HCFT size 2504:				
7443762504010	7443762504022	7443762504047	7443762504068	7443762504100

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Table 5: Packaging changes of affected order codes.

	Before Change	After Change
Overview of inner packing change		
	Before Change	**After Change**
Packaging specifications for WE-HCF 2010 (Table 4 section a)	L_{MC} (mm) 360,00 W_C (mm) 360,00 H_C (mm) 295,00	L_C (mm) 360,00 W_C (mm) 360,00 H_C (mm) 270,00
Packaging specifications for WE-HCF 2013 (Table 4 section b)	L_C (mm) 380,00 W_C (mm) 370,00 H_C (mm) 247,00	L_C (mm) 360,00 W_C (mm) 360,00 H_C (mm) 220,00
Packaging specifications for WE-HCF size 2012 (Table 4 section c)	L_C (mm) 380,00 W_C (mm) 370,00 H_C (mm) 247,00	L_C (mm) 360,00 W_C (mm) 360,00 H_C (mm) 220,00
Packaging specifications for WE-HCFT 2504 (Table 4 section d)	L_C (mm) 380,00 W_C (mm) 370,00 H_C (mm) 247,00	L_C (mm) 360,00 W_C (mm) 360,00 H_C (mm) 220,00

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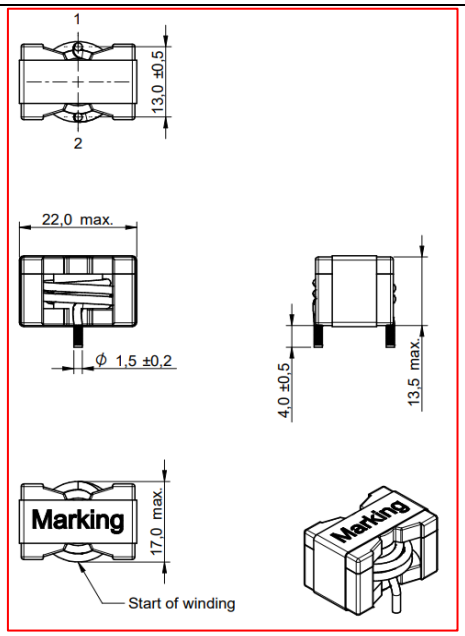
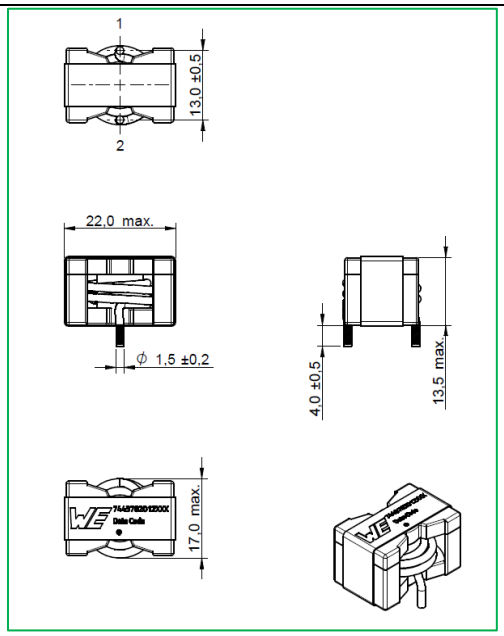
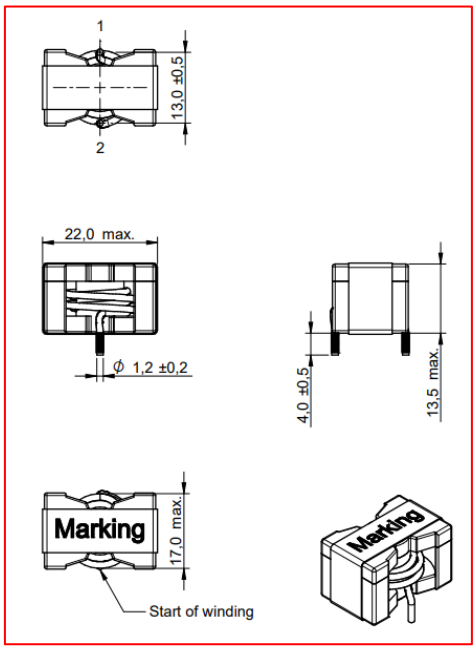
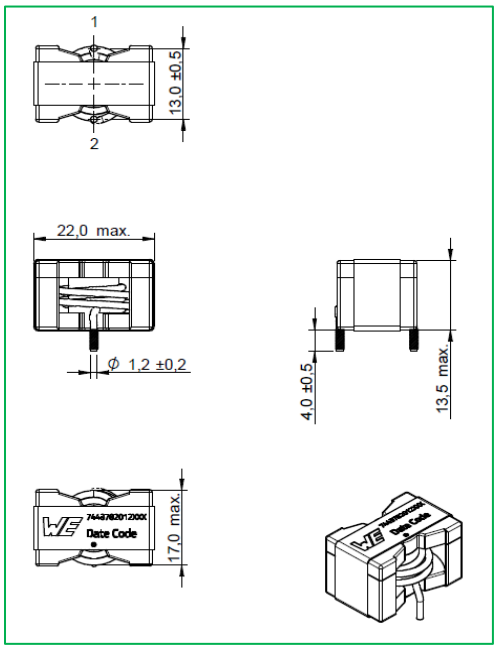
Alteration (4):

Due to internal standardization, the dimensional drawings of part numbers of WE-HCFT size 2012 will be updated to indicate the component's marking in detail as shown in Table 6.

Table 6: New dimensional drawings for WE-HCFT size 2012.

Series and size	Before Change	After Change
WE-HCFT size 2012		
		

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Reliability / Qualification of Change:

Alteration (1):

An additional test was performed and approved for operating voltage definition. Additional details of the tests can be found in the table below:

Table 7: Additional test performed for alteration (1).

Test Item	Sample Size	Reference	Test Conditions	Acceptance
Operating Voltage	10	WE-STD-1516	500 h at the maximum operating temperature in a DC-DC converter application with operating voltage.	Approved

Alteration (2), (3) and (4):

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