

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_FeSTAR-GAP_20200520

Affected Series: WE-STAR-TEC Series
74271633; 74271633S

PCN Date: February 20, 2020

Effective Date: May 20, 2020

Change Category:

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

Contact: Product Management

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Data Sheet Change:

Yes No

Attachment:

Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

In order to increase the product quality and production capability Würth Elektronik will improve the design of the plastic housing only. Additional the mechanical dimensions will be adjusted and the tolerance type will change from "typ." to "±" tolerances and the packaging specification will be added to the data sheet.

All products with date code 2020-04-20 or later, will be affected by this change.

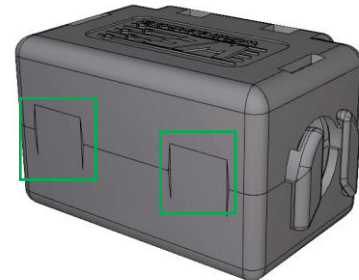
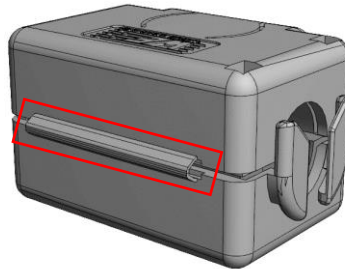
There will be no change in fit, function, reliability or material of the product.

DETAIL OF CHANGE:

- The electrical properties of the part will not change, due to no change of the ferrite core will be done.
- The mechanical properties improvements are shown in the following table:

Mechanical Improvement	Before change	After Change
Gap Element		
	The Gap Element design and position will change for an improved assembly process of ferrite core and plastic housing.	
Cable Fixation Elements		
	Both Cable Fixation Elements will be positioned on the same side of the plastic housing to improve the assembly process of the cable.	
Snap-In Mechanism		
	The Snap-In Mechanism will be changed to the proven design of the WE-STAR-BUENO Series with visual lock windows to check if the part is locked correctly.	

Hinge Design

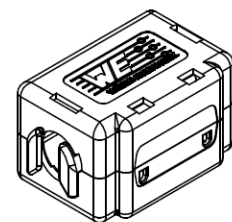
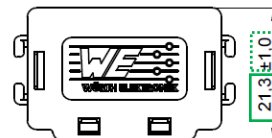
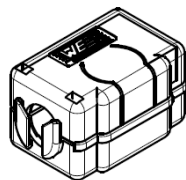
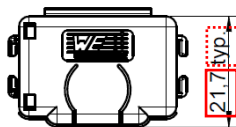
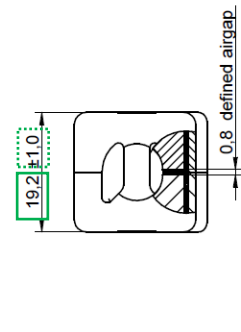
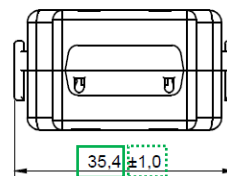
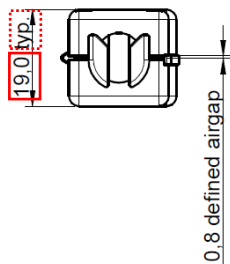
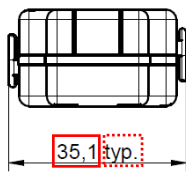


The **Hinge** will be changed to the proven design of the WE-STAR-TEC Series, from one solid to two separated hinges.

- The general visual appearance of the plastic housing like WE Logo, design elements and edges will be improved a little bit as it can be seen in the drawings above and below.
- The mechanical dimensions will be adjusted (solid lines) and the tolerances will be changed from “typ.” to “±” (dotted lines).

Before change

After Change



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RELIABILITY / QUALIFICATION SUMMARY:

The changed plastic housing design is produced by the same basic injection moulding technology, the assembly process of ferrite core and plastic housing use the same basic technology and don't change.

This is released by the internal requirements of Product Management and Total Quality Management department by IQC tests.

The following items are part of the IQC:

- Visual Appearance (Surface, Burr, Contaminations, ...)
- Mechanical Parameters (according as specified in the Datasheet)
- Electrical Parameters (according as specified in the Datasheet)