



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_UtLAN AQ_20190812
Affected Series: WE-LAN AQ; 749010310, 749020310
PCN Date: July 12, 2019
Effective Date: August 12, 2019

Change Category:
 Equipment / Location
 General Data
 Material
 Process
 Product Design
 Shipping / Packaging
 Supplier
 Software

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Data Sheet Change:
 Yes No
Attachment:
 Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

As a datasheet information amendment and in order to fulfil the IEEE 802.3 Open Circuit Inductance (OCL) requirements, Würth Elektronik will correct the inductance value and the test conditions. Since the affected articles are not specified for PoE applications, the below test conditions can be followed.

Due to database mismatch, the DC resistance of 749020310 will be corrected.

All products affected by this change are immediately available.

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

DETAIL OF CHANGE:

The inductance value will be changed as follows:

Before

L = 300 μ H; Test conditions = 100 kHz / 100 mV @ 8 mA DC bias

After

L = 350 μ H; Test conditions = 100 kHz / 100 mV @ 0 mA DC bias

The DC resistance for 749020310 will be corrected as follows:

Before

RDC = 1200 m Ω ; Test conditions = 100 kHz / 100 mV

After

RDC1 = 4500 m Ω ; Test conditions = 100 kHz / 100 mV (data side of transformer)

RDC2 = 6000 m Ω ; Test conditions = 100 kHz / 100 mV (cable side of transformer)

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RELIABILITY / QUALIFICATION SUMMARY:

Product approval is according to the specification and is internally released by the Product Management Department.