

Title of Change:	Change the RX threshold level to 615mV average, still within the KNX standard specification.
Effective date:	30 Nov 2023
Contact information:	Contact your local onsemi Sales Office or Ivo.Rotthier@onsemi.com
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Datasheet update
Change Sub-Category(s):	Datasheet/Product Doc change

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	None

Description and Purpose:

This notification announces that onsemi has changed the RX threshold level to 615mV on average, still within the KNX standard specification.

What	Current	New
Datasheet	<p>KNX Bus Receiver</p> <p>The receiver detects the beginning and the end of the active pulse.</p> <p>The detection threshold for the start of the active pulse is -0.45 V (typ.) below the average bus voltage.</p> <p>The detection threshold for the end of the active pulse is -0.2 V (typ.) below the average bus voltage giving a hysteresis of 0.25 V (typ.).</p>	<p>KNX Bus Receiver</p> <p>The KNX bus receiver must detect the beginning and the end of the active pulse.</p> <p>The detection threshold for the start of the active pulse is -0.61 V below the average bus voltage.</p> <p>The detection threshold for the end of the active pulse is -0.23 V below the average bus voltage.</p> <p>Thus, the receiver hysteresis is 0.38 V.</p>

List of Affected Standard Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [**PCN Customized Portal**](#).

NCN5110MNTWG	NCN5121MNTWG	NCN5130MNTWG
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