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PCN EIC-1131 Input Deactivation Control Changes for LAA127 and LBB127

Detailed Description of Change

Littelfuse IXYS Integrated Circuits Division (ICD) would like to inform you of a change to the data sheet parameter "Input Control Current to Deactivate" and the addition of an "Input Control Voltage to Deactivate" parameter.

The minimum "Input Control Current to Deactivate" rating is being reduced from 0.4 mA to 0.1 mA. A new parameter, "Input Control Voltage to Deactivate", is being added to the data sheet with a minimum rating of 0.8 V.

These changes are effective immediately and are documented in the updated data sheets available on the Littelfuse website.

Reason for Change

To ensure the security of supply for these products, an alternative supplier of the input LED was qualified and put into production. Over time, this more efficient LED exhibited a tendency to maintain the activated state of some Solid State Relays (SSRs) at lower input currents than its predecessor. Whereas the previous less efficient LED was not able to sustain operation with an input current of 0.4 mA, the replacement LED could. Reducing the minimum input control current to 0.1 mA guarantees the SSRs will deactivate as expected.

In order to simplify circuit design where the input current cannot be accurately predicted, a secondary deactivation input control parameter is being provided. This supplementary deactivation parameter is based on the voltage applied to the input LED. As stated in the updated data sheets, the minimum voltage applied to the input LED that will sustain operation is 0.8 V.

Products Affected

LAA127	LBB127
LAA127P	LBB127P
LAA127PTR	LBB127PTR
LAA127S	LBB127S
LAA127STR	LBB127STR

The PCN number assigned to this action is **PCN EIC-1131** and must be referenced in any correspondence related to the change.

If you have any other questions or concerns, please contact your local Littelfuse sales representative or Product Manager below for further assistance.

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