

DESCRIPTION

PRODUCT COVERED:

USR - Component LED Drivers with Class 2 output Model: **XI080C070V054CNH1** may be followed by - M.

USR - Indicates investigated to the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750, First Edition and to Class 2 Power Units, UL 1310, Sixth Edition as required and specified in paragraph 7.12 in UL 8750.

GENERAL:

The driver described in this report is a switch-mode design suitable for connection to branch circuits rated 120-277 VAC, 50/60 Hz, have a single or dual output, and each is 27-54 VDC, 0.07-0.7 A DC. The drivers supply two isolated DC output. The maximum available output parameters of each channel or both channel output connected in parallel is within the limitations for Class 2 - inherently limited, in accordance with UL 1310, Standard for Class 2 Power Units.

The driver consist of a PWB assembly that is housed in a housing formed of painted sheet metal that is completely insulated from the metal housing by a PET film insulating barrier. The driver is provided with leads for primary and output connections.

The driver housing is provided with integral mounting feet.

The driver is provided with a 0-10 V dimming circuit that are isolated from primary and secondary of the circuit with maximum output parameters. The dimming circuit (0-10) is isolated and the maximum available output parameters met the limitations for the Class 2 inherently limited per UL 1310.

ELECTRICAL RATINGS:

| Model | Input, 50/60 Hz | | Maximum Output (+) | | | |
|--|-----------------|-----------|--------------------|------|------|-------|
| | V | A | Channel | V DC | A Dc | Watts |
| XI080C070V054CNH1 | 120-277 | 0.77/0.32 | CH-1 | 54 | 0.7 | 40 |
| | | | CH-2 | 54 | 0.7 | 40 |
| (+) - The parallel connection of the two outputs is permitted | | | | | | |

MAXIMUM CASE TEMPERATURE (assigned by the manufacturer): (Tc) = 80°C

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by UL LLC

Conditions of Acceptability -

1. The maximum available parameters of each output and also while the two outputs connected in parallel met the Class 2 - Inherently Limited as specified in Table 30.1 of UL 1310, Standard for Class 2 Power Units. Connection of the outputs in series is not allowed.
2. The driver is suitable for use in a "Dry" and "Damp" locations.
3. The measured driver housing temperature at the (Tc) location specified on the marking label must not exceed 80°C
4. The driver shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the end-product application.
5. The maximum measured leakage current using leakage current tester by Simpson Model 228 was 0.38 MIU at 277 V input and 0.15 MIU at 120 V input.
6. The driver housing must be connected to earth ground when installed in the end-use application.
7. The dimming circuit (0-10) is isolated and the maximum available output parameters met the limitations for the Class 2 inherently limited per the UL 1310 standard.