

## DESCRIPTION

## PRODUCT COVERED:

- \* USR - Component LED Driver with UL1310 Isolated, Class 2 output Models:

SOLOdrive360/A
SOLOdrive361/A
SOLOdrive367/A
ECOdride360/A
ECOdride361/A
ECOdride367/A

- \* CNR - Component LED Driver with Isolated "LED Driver Class 2" output, Models:

SOLOdrive360/A
SOLOdrive361/A
SOLOdrive367/A
ECOdride360/A
ECOdride361/A
ECOdride367/A

## ELECTRICAL RATINGS:

Model	Input 50/60 Hz		Maximum Output, DC		
	V AC	A	V	A	W
*SOLOdrive360/A	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30
*SOLOdrive361/A (*)	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30
*SOLOdrive367/A	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30
*ECOdride360/A	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30
*ECOdride361/A	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30
*ECOdride367/A	120-277	0.35	2.5-57	<b>0.15-1.4</b>	30

(\*) - Selected representative model

## Conditions of Acceptability -

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

- \* 1. The drivers shall be used within the recognized electrical ratings. **The** drivers were found suitable with a maximum output current rating of a **1400** mA DC. However, the output current may be set at the factory during production to any current setting between **150-1400** mA DC
- \* 2. The drivers were found in compliance with all the applicable requirements for Thermally Limited classification except for the Impact test. The following "Tref" rating at the "TC" location specified on the marking labels of the drivers. When the drivers are installed in the end product, the following "Tref Max" should not be exceeded:

TYPE "TL" LED DRIVER	
Tref max	<b>78</b>
Tref	<b>69</b>

- \* 3. The suitability of the marked "Tc: 85 C" and "Ta: 50 C" were not evaluated.
- 4. The maximum available output parameters of these drivers were within the maximum allowable limits for Class 2, Inherently Limited specified in the UL1310 standard. The output is to be considered "CLASS 2 NOT WET, CLASS 3 WET" as specified in the UL1310 standard for Class 2 Power Units.

The output of these drivers is considered is LED Driver - Class 2 per Annex "A" of the Second Edition of CSA C22.2 NO. 250.13-14 CAN/CSA LIGHT EMITTING DIODE (LED) EQUIPMENT FOR LIGHTING APPLICATIONS

## Conditions of Acceptability - Cont.:

5. The drivers are intended for connection to a branch circuit with a maximum 20-Ampere branch protection.
6. The drivers were found suitable for use in a "DRY" and "DAMP" locations
7. The terminal blocks for the input, dimming and output are R/C (XCFR2/XCFR8), rated 300 V, 5 A, **105 C, 20-16 AWG solid copper wire** and are suitable for Field and factory wiring. The suitability for the application and use shall be determined in the end-use application.
8. When the Leakage current measurements are required in the end-use application, the test shall be performed on the combination of LED driver model SOLOdrive367/A and LED Driver model ECOdrive367/A. The Leakage Current Measurements test method shall be performed in accordance and as specified in the UL1310 standard. Also, the maximum measured leakage current on the following LED driver models did not exceed 0.5 MIU while were connected to a 277 V AC:

SOLOdrive360/A	SOLOdrive361/A
ECOdrive360/A	ECOdrive361/A

9. Driver model SOLOdrive360/A and ECOdrive360/A are dimmable and are provided with an isolated "DALI" dimming interface circuit. The "DALI" circuit is isolated from the primary and secondary circuit (Terminals DA+, DA-).
10. Driver model SOLO361/A and ECOdrive361/A are dimmable and are provided with an isolated "0-10" dimming interface circuit (Terminals designated "0-10+" and "0-10-"). And, the maximum available parameters from the dimming circuit terminals meet the limits for a Class 2, inherently limited source
11. The identification of the input/output/dimming terminals:

Terminal Blocks	Connection
L	Supply line
N	Supply Neutral
LED1+, LED1-	Channel 1: Output Positive, Negative
LED code+ / LED code-	Factory current setting terminals (*)
0-10V+ / 0-10V-	"0-10" Dimming connections
DA-, DA+,	"DALI" Dimming connections
(*) - *The output current may be set at the factory during production to any current setting between 150-1050 mA DC	

## Conditions of Acceptability - Cont.:

12. The following polymeric materials are R/C (QMFZ2/QMFZ8) and the suitability of the materials shall be determined in the end-use:
- a. Driver Housing - R/C (QMFZ2/QMFZ8), by Bayer Materialscience (E41613), Makrolon 6265X+(z)(f1), 1.5 mm thick, white color, **RTI 125/115 C**, rated V-0. The material was also tested to UL 746C, 127mm (5 inch) enclosure flame tests and was found to be equivalent to 5V flammability rating.
  - b. Terminal Cover - R/C (QMFZ2/QMFZ8, Bayer Materialscience (E41613), Makrolon 6555 + (z)(f1), 2.0 mm thick, Clear Color, **RTI 125/115 C**, rated V2. The material was also tested to UL 746C, 127mm (5 inch) enclosure flame tests and was found to be equivalent to 5V flammability rating.

\*