

DESCRIPTION

PRODUCT COVERED:

USR/CNR - Component **LED Drivers, Type TL**, with Class 2 / **LED Class 2** output Models:

ECODrive265/U	SOLOdrive265/U
ECODrive266/U	SOLOdrive266/U
ECODrive268/U	SOLOdrive268/U
ECODrive365/U	SOLOdrive365/U
ECODrive366/U	SOLOdrive366/U
ECODrive368/U	SOLOdrive368/U
DUALdrive260/U	DUALdrive360/U
DUALdrive262/U	DUALdrive362/U
SOLOdrive260/U	SOLOdrive360/U
SOLOdrive261/U	SOLOdrive361/U

*

Conditions of Acceptability:

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

1. Rated output loading for these products was achieved using LED load. The temperature tests were performed at nominal 40°C ambient.
2. The Marked temperature limit at the Tc Location on marking label was not verified. However, the 20-Watt rated driver models were also tested at 50 C maximum elevated ambient and the end-product application, the temperature at the Tc location for, as specified in Illustration #6, is to be monitored. The absolute value at Tc cannot exceed 65°C.
3. The main isolation transformer employs Class B (130) insulation system
4. The drivers are intended for building-in and employ housings with no openings. Acceptability of the LED driver with respect to mounting, spacing, casualty, temperature and segregation is to be determined as part of the end device evaluation.
5. The Leakage Current test was conducted using the following selected representative driver model and the maximum measured leakage current while the driver connected to a 277 VAC was as specified in the following table. Based on end use requirements and the construction presented, this test may need to be performed as part of the end product evaluation:

Series Representative Model	Measured, MIU	
	120 VAC, 60 Hz	277 VAC, 60 Hz
ECODrive 265/U	0.27	0.64
SOLO/DUALdrive 26x/U (2-Channel)	0.22	0.55
ECO/SOLO/DUALdrive 36x/U	0.25	0.58

Conditions of Acceptability - Continued:

6. The drivers employ R/C (XCFR2/XCFR8), terminal blocks for the connection of the input, dimming and output. The minimum electrical rating of the terminal blocks are 300V, 5 Amperes, 105 C. The terminal blocks are suitable for field and factory wiring and for use with 20-16 solid wire.

7. Drivers provided with the 0-10 V, or the DALI dimming circuit interface are dimmable and the dimming circuits are isolated from primary (input) and secondary (output) circuits with spacings based on the maximum rated branch supply, 277 Vac.

8. The maximum available output parameters were within the maximum allowable limits for Class 2, Inherently Limited specified in the UL1310 standard

9. The maximum available output parameters were within the maximum allowable limits for LED driver Class 2 per Annex "A" of the Canadian standard CAN/CSA C22.2 No. 250.13-14

10. The drivers are suitable for a maximum output current of 1400 mA DC. However, the output current may be set at the factory during production to any current setting between 150-1400 mA DC. Also, the maximum output parameters should not exceed the maximum rated output parameters

11. The drivers are suitable for use in a "DRY" and "DAMP" locations

12. Dimmable driver models are provided with a "DALI" dimming interface circuit that is isolated from the primary and secondary circuit (Terminals DA+, DA-).

13. Dimmable driver models provided with "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

14. The SOLOdrive 268/U, SOLOdrive 368/U, ECOdrive 368/U, and the ECOdrive 268/U are not provided with the dimming options. Therefore, the drivers are "NON-Dimmable" drivers

Conditions of Acceptability - Continued:

*

15. The identification of the input/output/dimming terminals is

Terminal Blocks	Connection
L (BLACK)	Supply line
N (WHITE)	Supply Neutral
PG (GREEN)	Grounding (*)
LED-output+, LED-output- (RED-BLACK)	Single Channel: Output Positive, Negative
LED-output1+, LED-output1- (RED-BLACK)	Dual Channel 1: Output Positive, Negative
LED-output2+, LED-output2- (RED-BLACK)	Dual Channel 2: Output Positive, Negative
LED code+ / LED code- (Yellow-Brown)	Factory current setting terminals (**)
0-10V+ / 0-10V- (Grey/Violet)	"0-10" Dimming connections
DA-, DA+, (Orange)	CH1 - "DALI" Dimming connections
AUX+, AUX- (Blue/Black)	"Auxiliary" output auxiliary output, rated 15,5 -25V, max current: 18mA
Solid Wire Lead Specifications	Strip: 9 mm (11/32 Inch) Diameter: 0.5-1.5 mm (20-16 AWG)
<p>(*) - The ground terminal is not suitable for connection directly to the branch circuit ground lead. Therefore, the driver case must be connected to earth ground in the end-use application</p> <p>(**) - The output current per channel may be set at the factory during production to any current setting between 150-1400 mA DC.</p>	