



Certificate Number: 1125151-15

Date: 2019-01-16

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRIDONIC GMBH & CO KG

File-CCN: E345983 - FKSZ2, FKSZ8

Product Description: COMPONENTS - DRIVERS FOR LIGHT-EMITTING-DIODE ARRAYS, MODULES AND CONTROLLERS

Models:

28002253 LCO 20/350/57 0-10V C ADV UNV, 28002254 LCO 20/500/40 0-10V C ADV UNV, 28002255 LCO 20/700/28 0-10V C ADV UNV, 28002226 LCO 40/700/57 0-10V C ADV UNV, 28002229 LCO 40/1000/40 0-10V C ADV UNV, 28002263 LCO 40/1400/28 0-10V C ADV UNV, 28002149 LCO 50/700/72 0-10V C ADV UNV, 28002150 LCO 50/1050/48 0-10V C ADV UNV, 28002151 LCO 50/1250/42 0-10V C ADV UNV, 28002152 LCO 50/1400/36 0-10V C ADV UNV, 28002153 LCO 50/2100/24 0-10V C ADV UNV, 28002132 LCO 25/700/36 0-10V C ADV UNV, 28002143 LCO 25/1400/18 0-10V C ADV UNV, 28002131 LCO 25/500/48 0-10V C ADV UNV, 28002142 LCO 25/1050/24 0-10V C ADV UNV, 28002130 LCO 25/350/72 0-10V C ADV UNV

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 electronic loads.
2. During the temperature test of the end product, the temperature at Tc is to be monitored. The absolute value at Tc cannot exceed 90°C. This value was calculated based on temperatures observed during testing and temperature ratings of the integral components including the electrical insulation system.
3. These products utilize a UL Recognized OBJY2 Class 155 (F) electrical insulation system.
4. These products are intended for building in. 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. For all models, the plastic housing has not been evaluated as Fire and Electrical enclosure. The housing has no openings except for electrical connections. No mechanical tests have been conducted for the housing. Suitable Enclosure may be needed in end use product evaluation.

6. The Leakage Current test was conducted for these models. Based on end use requirements and the construction presented, this test may need to be performed as part of the end product evaluation.
7. These products are provided with min 18 AWG, stranded or solid leads, rated min 105 °C, 600 V minimum for input connections; min 24 AWG, stranded or solid leads, rated min 105 °C, 300 V minimum for output connections; min 24 AWG, stranded or solid leads, rated min 105 °C, 300 V minimum for dimming connections. Acceptability of the leads relative to strain relief and secureness, is to be determined as part of the end device evaluation.
8. All models are dimmable using a low voltage 0-10 V. This interface is a sink, since the interface circuit operates from an external source of supply.
For models with output rated voltage less than 60 Vdc, the interface circuit has been evaluated for isolated class 2(or LED class 2) circuit. Acceptability shall be determined by end-product evaluations.
9. For products with wired control circuits- These products do not have appropriate separation and spacings between the wired control circuits and the other circuits of the LED equipment. Acceptability of this design feature is to be considered as part of the end product evaluation.

Ratings:

Model No	Input				Output	
	Voltage, Vac	Frequency, Ha	Current, A	Power Factor	Max. Voltage, Vdc	Max. Current, mA
28002253 LCO 20/350/57 0-10V C ADV UNV	90-305	50/60	0.3 A	>0.9 PF	57	Max. 350
28002254 LCO 20/500/40 0-10V C ADV UNV	90-305	50/60	0.3 A	>0.9 PF	40	Max. 500
28002255 LCO 20/700/28 0-10V C ADV UNV	90-305	50/60	0.3 A	>0.9 PF	28	Max. 700
28002226 LCO 40/700/57 0-10V C ADV UNV	90-305	50/60	0.56 A	>0.9 PF	57	Max. 700
28002229 LCO 40/1000/40 0-10V C ADV UNV	90-305	50/60	0.56 A	>0.9 PF	40	Max. 1000
28002263 LCO 40/1400/28 0-10V C ADV UNV	90-305	50/60	0.56 A	>0.9 PF	28	Max. 1400
28002149 LCO 50/700/72 0-10V C ADV UNV	90-305	50/60	0.71 A	>0.9 PF	72	Max. 700
28002150 LCO 50/1050/48 0-10V C ADV UNV	90-305	50/60	0.71 A	>0.9 PF	48	Max. 1050
28002151 LCO 50/1250/42 0-10V C ADV UNV	90-305	50/60	0.71 A	>0.9 PF	42	Max. 1250
28002152 LCO 50/1400/36 0-10V C ADV UNV	90-305	50/60	0.71 A	>0.9 PF	36	Max. 1400
28002153 LCO 50/2100/24 0-10V C ADV UNV	90-305	50/60	0.71 A	>0.9 PF	24	Max. 2100
28002132 LCO 25/700/36 0-10V C ADV UNV	90-305	50/60	0.35 A	>0.9 PF	36	Max. 700
28002143 LCO 25/1400/18 0-10V C ADV UNV	90-305	50/60	0.35 A	>0.9 PF	18	Max. 1400
28002131 LCO 25/500/48 0-10V C ADV UNV	90-305	50/60	0.35 A	>0.9 PF	48	Max. 500
28002142 LCO 25/1050/24 0-10V C ADV UNV	90-305	50/60	0.35 A	>0.9 PF	24	Max. 1050
28002130 LCO 25/350/72 0-10V C ADV UNV	90-305	50/60	0.35 A	>0.9 PF	72	Max. 350

Nomenclature: N/A