TALEXX LCU 35W IP67

LCU 35W 12V IP67 TOP

Product Description:

- Constant voltage LED power supply
- Universal input voltage range
- Constant output voltage
- Connection cable with stripped cable end (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal lifetime >50,000 h (at 230Vac, full load, Tc 75°C)
- 5-year guarantee (for Tc: 75°C)

Properties:

- Small design
- Low power loss
- Over-temperature and overload protection
- Short-circuit shutdown feature w/automatic restart
- Surge protection
- SELV
- Type of protection: IP67
- Metal casing

ORDERING GUIDE

Type	LCU 35W 12V IP67 TOP
Article Number	28000508A
Packaging Carton	10 pc(s).
Packaging Pallet	480 pc(s).
Weight per pc.	0.35 kg

SPECIFIC TECHNICAL DATA

Max. Casing Temp T_C	85° C
Output Voltage	12 V
Output Current Range	0-2.9A
Max. Output Voltage	13.2 V

TECHNICAL DATA

Rated Supply Voltage	100 - 277 V
Input Voltage, AC	90 - 305 V
Max input current	0.45 A
Mains Frequency	47 - 63 Hz
Efficiency (at 230 V, 50 Hz, full load)	85%
λ (at 230 V, 50 Hz, full load)	0.97
Output Voltage Tolerance	-0 / +10 %
Output Power (T_a ≤ 60° C)	35 W
Turn On Time (Output)	≤ 0.5 s
Turn Off Time (Output)	≤ 1 s
Hold on Time at Power Failure (Output)	10 ms
Ambient Temperature T_a	-40 ~ +60° C
Storage Temperature T_S	-40 ~ +85° C
Dimensions (L x W x H)	193 x 40 x 21mm
Hole Spacing	183 x 18 mm

REV: 04SEP2020

Data sheet subject to change without notice.

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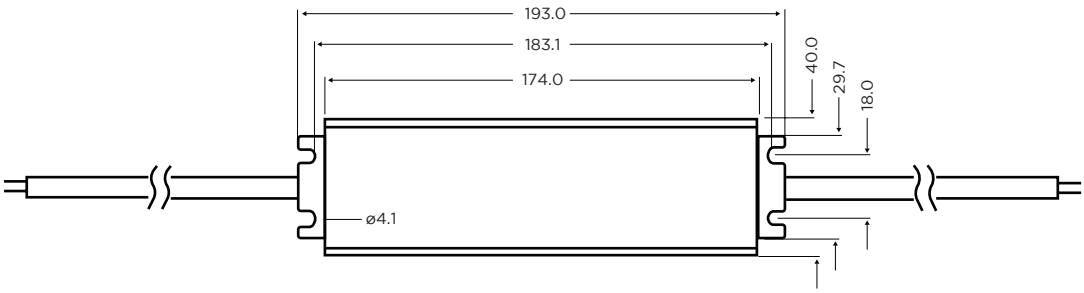
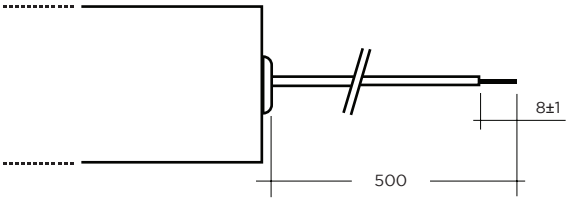
CLASS 2

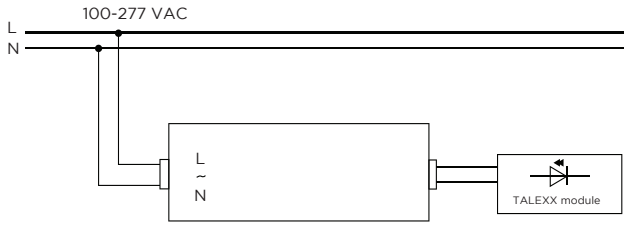
DIMENSION DRAWINGS



CONNECTION



WIRING DIAGRAM



Primary Cable		Secondary Cable	
L	N	+	-
brown	blue	red	black

PRI:
Ø 7.7 ±0.2 mm; 2 x 1.04 mm^2 (17 AWG)

SEC:
Ø 7.7 ±0.2 mm; 2 x 1.04 mm^2 (17 AWG)

STANDARDS

CE, ENEC:
- EN61347-2-13:2014
- EN61347-1:2008+A1:2011+A2:2013
- EN62493:2015

RCM:
- AS/NZS IEC61347.2.13

CCC:
- GB 19510.14-2009

UL
- UL8750 UL/cUL
- UL 879
- UL1310

EMI/EMS:
- EN55015:2013 + A1:2015
- IEC/EN61000-3-2
- IEC/EN6100-4-5

Overload protection
Automatic shutdown of the LED Driver if the maximum output current is exceeded. Automatic restart if the output current is below the limit.

No-load operation
The LED power supply is not damaged in no-load operation. The max. output voltage (see page 1) can be obtained during no-load operation.

Over-temperature protection
Automatic shutdown of the LED power supply if the temperature limit is exceeded. Automatic restart if the temperature falls below the limit.

Short-circuit behaviour
In case of a short circuit on the secondary side (LED) the LED power supply switches into hiccupmode. After removal of the short-circuit fault the LED power supply will recover automatically.

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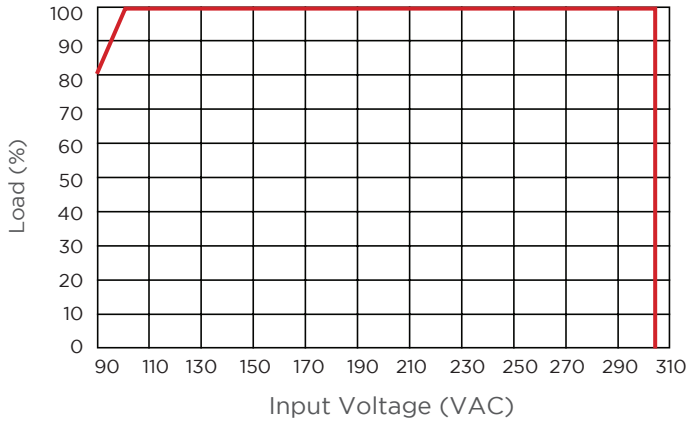
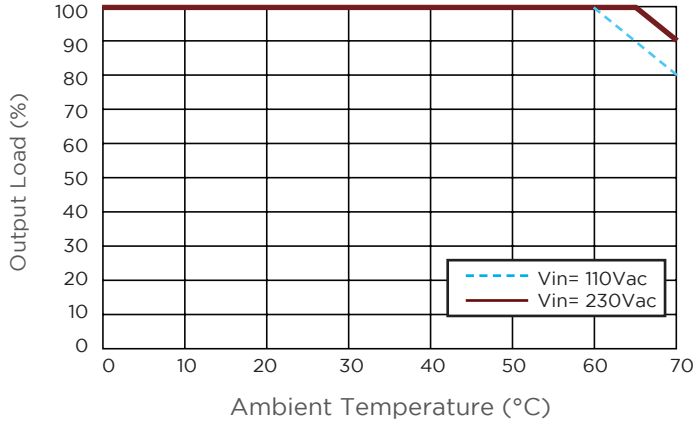
STANDARDS

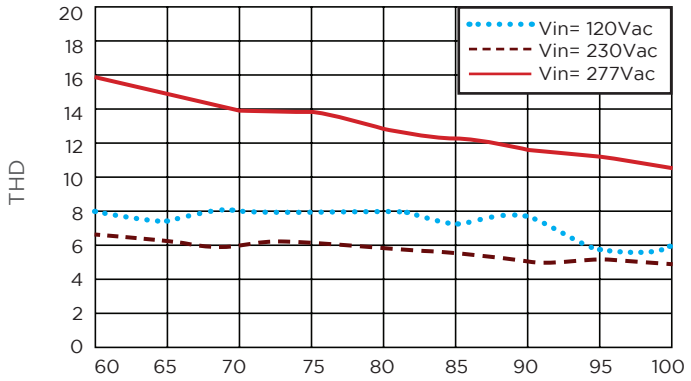
Static Curve



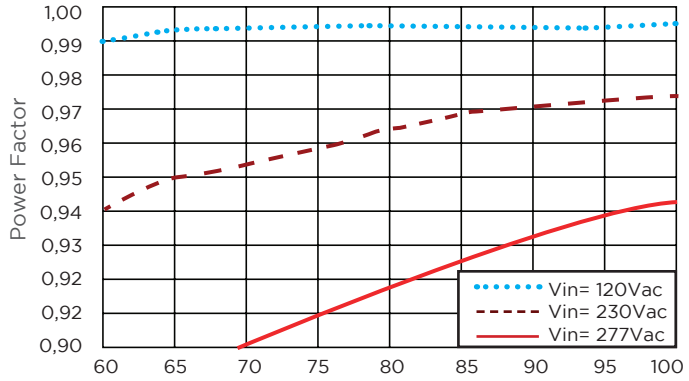
Output Power vs Ambient Temperature



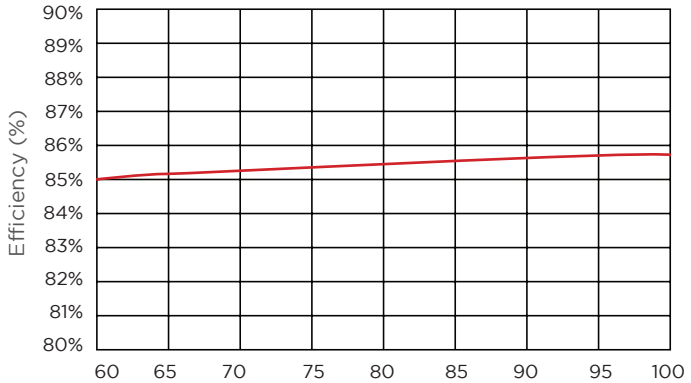
THD vs Output Power



Power Factor vs Output Power



Efficiency vs Output Power



Lifetime vs Case Temperature