

DALI PS2 DALI PSU

Datasheet

The DALI PS2 DALI PSU is a DALI power supply for use with a DLS-DALI Lighting Control System

It is a power supply with high efficiency and a small size, supplying a maximum of 250mA (200mA guaranteed) for DALI control gears and DALI devices without power supply circuits.

The -20°C to +60°C wide temperature operating range can meet all kinds of applications.

It is suitable to provide power for any products labelled with the DALI trademark, and is engineered to be a reliable and safe solution for providing power to the DALI bus.

Applications

- DALI Bus
- DALI Bus Powered Units



FEATURES & BENEFITS

- 250mA maximum supply current (200mA guaranteed)
- Suitable to power an entire DALI bus with 64 standard DALI ballasts
- Surge immunity up to 400V
- Independent electronic device for remote ceiling and integration in protection class II devices
- 110Vac to 240Vac power input

DALI PSU DALI PSU Technical Specifications

ELECTRICAL

Input

Voltage range: 110Vac to 240Vac
Max. input supply current: 40mA (@110Vac),
20mA (@240Vac)
Input supply frequency: 50Hz/60Hz
Power consumption max: 5,3W
Startup time: 250ms

Output

Output voltage range: 12Vdc to 20,5Vdc
DALI supply current: 230mA
Guaranteed DALI supply current: 200mA
Max. DALI supply current: 250mA
Open circuit proof: Yes
Short circuit proof: Yes

Insulation data

Impulse voltage category: II
Pollution degree: 2
Rated insulation voltage: 250V
Rated impulse withstanding voltage: 4kV
Insulation DALI/mains: Reinforced isolation
Insulation test voltage DALI/ mains: 3000V a.c

MECHANICAL

Dimensions (l x w x h): 120mm x 30mm x 22mm

Mounting: Remote ceiling integration in
protection class II device

Rated maximum temperature tc: 65°C

Expected life time @tc: 50.000 h

Protection class: II in intended use

Protection degree housing: IP40

Protection degree terminals: IP20

Connection type: Spring terminal connector

Cable

Wire size solid core: 0.5 to 1.5 mm² (AWG20 to
AWG16)

Wire size fine wired: 0.5 to 1.5 mm² (AWG20 to
AWG16)

Wire size using wire end ferrule: 0,25 to 1 mm²

Stripping length: 8.5 to 9.5 mm / 0,33 to 0.37
inch

ENVIRONMENTAL

Storing and transportation temperature: -20°C
to +75°C

Operational ambient temperature: -20°C to
+55°C

Humidity: 15% to 90% non-condensing

CONFORMITY

DALI: EN 62386-101

EMC: EN 61547, EN50015/IEC CISPR15

Safety: EN 61347-2-11, EN 61347-1

Markings: ENEC-11, UR, CE

UL file number: E495951

ORDER CODES

DALIPS2

DALI power supply