

LED DALI PS BUS Power Supply - User Manual



Item no.: LC-004-150



Item no.: LC-004-200



Item no.: LC-004-250

1. Product Description

The DALI PS is suitable for powering a complete DALI circuit with 64 standard DALI devices. The DALI-line is used for the transmission of data as well as for the supply of DALI-modules. DALI signals are not SELV. Therefore the same procedures should be applied as working with mains voltage.

2. Specifications

	LC-004-150	LC-004-200	LC-004-250
supply	from DALI line	from DALI line	from DALI line
supply voltage	120/240VAC	120/240VAC	120/240VAC
max. wire cross-section	1,5mm ²	2,5mm ²	1,5mm ²
maximum power	4W	4W	1W
output signal	DALI	DALI	DALI
max. output current	220mA	250mA	30mA
dimensions (l x w x h)	120 x 30 x 22mm	98 x 17 x 56mm	59 x 33 x 15mm
weight	70g	55g	21g

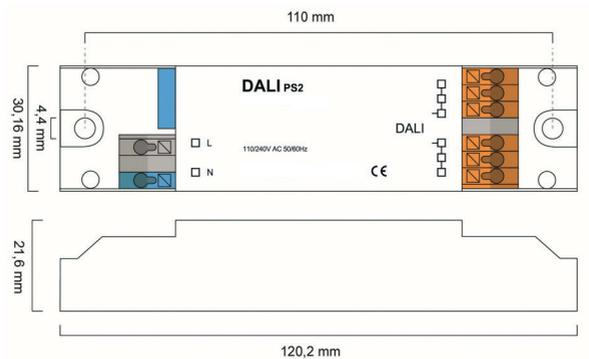
3. Description

The DALI-line is used for the transmission of data as well as for the supply of DALI-modules. The modules are powered by the DALI-line itself. Therefore a central power supply like the DALI PS is required. The DALI PS differs from typical power supplies in terms of the requirements for short circuit protection and dynamic behaviour for DALI communication.

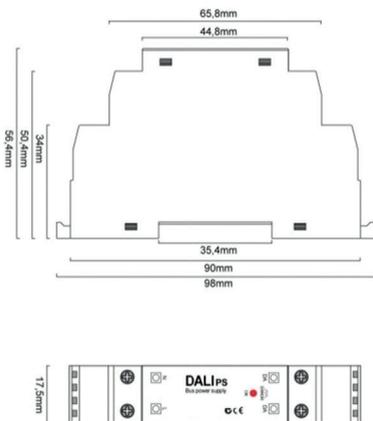
Since standard DALI-ballasts (max. 64 on a DALI-line) may have a maximum supply current of 2mA, the DALI PS is capable to additionally supply DALI control devices (like DALI MC, DALI GC, ...) or interfaces that require higher supply currents (like DALI 0-10V, DALI RM, etc.).

4. Dimensions

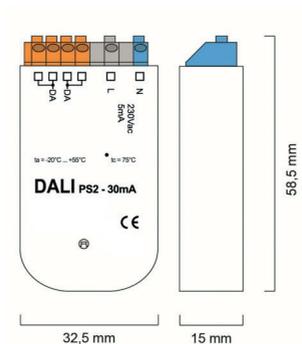
DALI PS 2



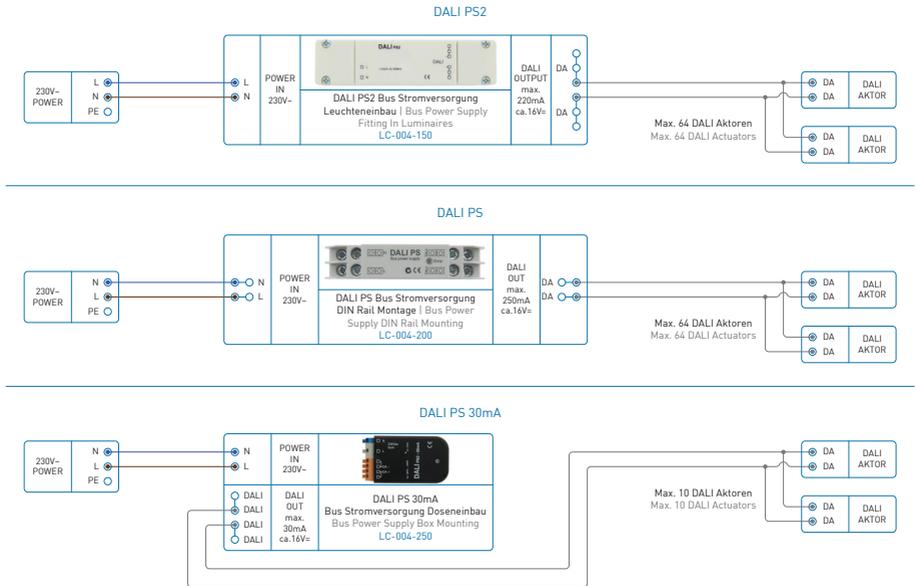
DALI PS



DALI PS 30mA



5. Wiring Diagram



6. Safety Warnings

- 6.1. To avoid installed the product in minefield, strong magnetic field and high voltage area.
- 6.2. To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire.
- 6.3. Please install the product in a well ventilated area to ensure appropriate temperature environment.
- 6.4. The product must be worked with DC constant voltage power supply.
Please check the consistence of input power with the product, if the output voltage of the power comply with that of the product.
- 6.5. Connect the wire with the power on is forbidden. Ensure proper wiring first then check to ensure no short-circuit, then power on.
- 6.6. Don't repair it by yourself whenever an error occur. Contact the supplier for any inquiry.