JUMITECH

DALI
1Ch LED Dimmer

Datasheet
Control Gear

1-Channel LED Dimmer (CV)
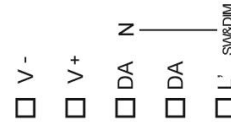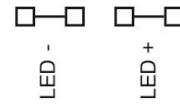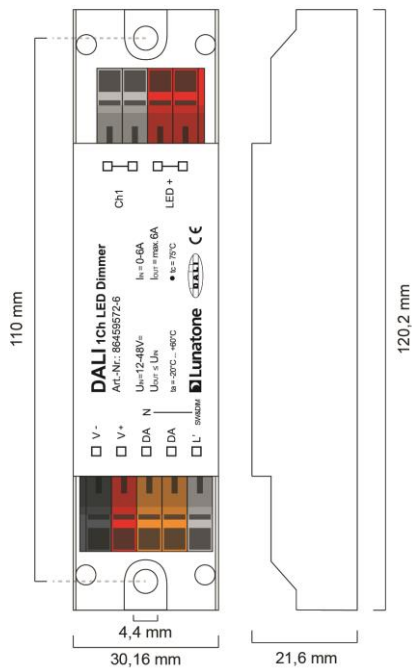
Art. Nr. 86459572-6 (6A)

DALI 1Ch LED Dimmer Control Gear

Overview

- 1 Channel LED Dimmer
- Suitable for constant voltage LED-modules
- dimming control via DALI or standard switch (SwitchDim-function integrated)

- The output is dimmable from 1% to 100% (upon request 0.1%)
- Supply voltage from 12V to 48V DC
- Configuration via DALI-Cockpit software and DALI USB interface
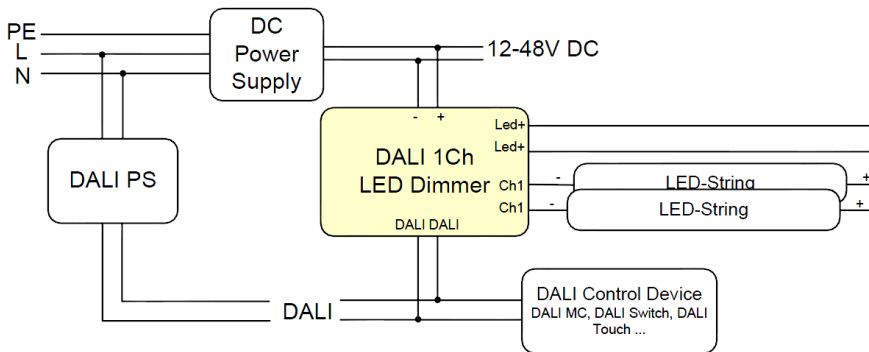- The maximum input current must not exceed 6A

Specification, Characteristics

type	DALI 1Ch LED Dimmer
article number	86459572-6

electrical data:	
power supply	12V- 48VDC
maximum input current	6A
maximum output current	6A
control input	DALI / SwitchDim
number of DALI addresses	1
typ. current consumption DALI	2mA
default state after power return	configurable via DALI

mechanical data:	
ambient temperature	-20°C…+60°C
protection class	IP20
max. connecting wire cross section	2.5 mm^2
geometry (L x W x H)	120mmx30mmx21mm

geometry

110 mm
120,2 mm

Ch1
LED +

DALI 1Ch LED Dimmer
Art.-Nr.: 86459572-6
Lunatone
Uin=12-48Vdc
Uout ≤ Uin
ta=-20°C...+50°C
Iin = 0-6A
Iout = max. 6A
tc = 75°C
DALI
CE

☐ V - ☐ V + ☐ DA ☐ DA ☐ L' SW&DIM

4,4 mm
30,16 mm
21,6 mm

connection plan

LED -   LED +

☐ V - ☐ V + ☐ DA ☐ DA ☐ L' SW&DIM
N

typical application DALI-Mode

PE
L
N

DC Power Supply → 12-48V DC

DALI PS

DALI 1Ch LED Dimmer
DALI DALI
- +
Led+
Led+
Ch1 -
Ch1 -
LED-String +
LED-String +

DALI

DALI Control Device
DALI MC, DALI Switch, DALI Touch ...

DALI-Mode:

The device switches to DALI-mode automatically after a DALI message has been received.
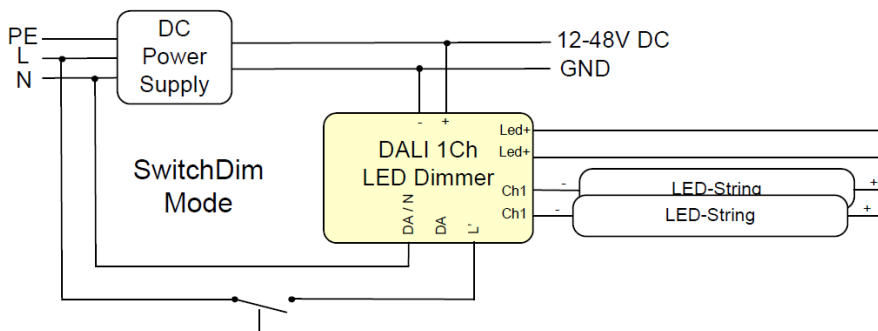
Prinzipschaltbild SwitchDim 10A/16A

PE
L
N

DC Power Supply → 12-48V DC
GND

SwitchDim Mode

DALI 1Ch LED Dimmer
DA / N
DA
L'
- +
Led+
Led+
Ch1 -
Ch1 -
LED-String +
LED-String +

SwitchDim:
Button pressed short (<500ms): On / Off
Button pressed long (>500ms): Dim Up / Down

Switch-Dim:

The device is in the Switch-Dim mode after power up.

At types from before June 2015, at which the inputs L' and N are not available, the maximal voltage for SwitchDim (via DALI inputs) is 48VDC!

2017-01-16

RECOMMENDATION:
Care should be taken on keeping cable lengths between DC power supply and dimmer as well as between dimmer and luminaires (Led-Strings) as short as possible. This kind of installation will minimize the influence of voltage drops.

Purchase Information

ArtNr. 86459572-6: 1-Channel LED Dimmer,
CV, max. input current 6A, 12V-48V DC,
remote ceiling & built in

Additional Information

Datasheets and manuals
https://jumitech/produkter

DALI-Cockpit – free configuration tool from Lunatone for DALI systems
http://lunatone.at/en/downloads/Lunatone_DALI-Cockpit.zip

Contact

Technical Support: support@jumitech.dk

Requests: salg@jumitech.dk

www.jumitech.dk

Disclaimer

Subject to change. Information provided without guarantee.
The datasheet refers to the current delivery.

The compatibility with other devices must be tested in advance
to the installation.

2017-01-16