

DALI LS

Datasheet

Light Sensor



Sensor unit for the measurement of
light intensity with integrated
brightness control algorithm for
DALI-systems

Art. Nr. 86458674

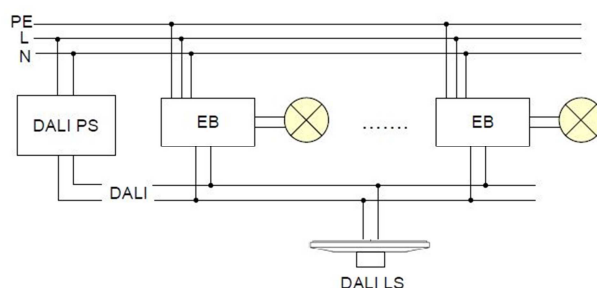
DALI LS Light Sensor Module

Overview

- Sensor unit for measuring lighting intensity levels in DALI-systems
- The module can either act as lighting control unit or be used for monitoring purposes only.
- For lighting control two modes are available: a digital threshold-based control or an ambient light dependent control
- When used as threshold based control the DALI LS can transmit various DALI commands (like OFF, RECALL MIN/MAX, GO TO SCENE X, ...) to destination addresses.
- When used as ambient light dependent control the reference light level and the destination address can be defined.
- Sensor properties are set easily by the DALI-Cockpit software tool via a DALI USB interface.
- For the destination address single addresses, group addresses and broadcast can be used.
- For simple applications the default configuration may be sufficient. With the help of the rotary switch on the backside the reference value of lighting intensity can be defined. Default destination address is broadcast.
- Several DALI LS modules can be used within one DALI-line.
- The compact module can easily be installed in recessed conduit boxes or directly on cavity walls.
- The DALI LS must not be connected to the mains. It is directly supplied by the DALI-line.
- Simple installation due to DALI double clamp connector

Specification, Characteristics

Type	DALI-LS
article number	86458674
power supply	via DALI signal line
typ. current consumption	3.5 mA
input/output	DALI
function	adjustable
range	0-2500lux
resolution	1lux
operating temperature	0°C-70°C
storage temperature	-25°C-85°C
protection class	IP20
connecting wire cross section	0.5-1.5 mm ²



typical installation

default settings:

- destination address: broadcast
- rotary switch for light intensity reference value
- n=0-15, light intensity=n*100lux; 0...disabled (control inactive)