DLS3-1 | Luminescence sensor



EAN code
DLS3-1: 8595188157506

Technical parameters	DLS3-1
Inputs	
Range of measurement of lighting:	1 - 100 000 lx
Detection angle:	40 °
Ouputs	
Indication red LED:	identification DALI MASTER / setting indication
Indication green LED RUN:	communications / unit status
Communication	
Interface:	Installation BUS iNELS DALI
Pover supply	
From iNELS BUS:	27 V DC, -20 / +10 %
Rated current:	12 mA (27V DC)
From DALI BUS:	16 V (max. 23 V)
Rated current:	20 mA (16 V DC)
Connection	
Terminals:	max. 1x2.5, max. 2x1.5 / with sleeve max. 1x2.5 mm²
Operating conditions	
Operating temperature:	-30 .. +60 °C
Storing temperature:	-30 .. +70 °C
Protection degree:	IP 65
Operating position:	vertical
Dimension and weight	
Dimension:	96 x 62 x 34 mm
Weight:	100 g

For proper function of the detector it is necessary to eliminate all sources of light interference in the sensing area.

- The luminescence sensor DLS3-1 is for sensing the current luminescence at the point of installation of the unit.
- The DLS3-1 sensor is equipped with two communication interfaces:
  - iNELS BUS Installation.
  - DALI.
- Information about the current value of the light intensity can be used in tasks of maintaining constant luminescence. In space where it is possible, thanks to the contribution of natural light from the outside to adjust the artificial light, which can reduce energy consumption.
- Thanks to the DLS3-1 units cannot only be used in residential projects, but also in commercial projects, offices or manufacturing plants, warehouses.
- The DLS3-1 unit is recommended to be installed so that the luminescence sensor for sensing faces down and should not be exposed to direct radiation.
- Setting up a communication interface with DIP switches no. 1:
  - In the upper position determines the communication interface DALI
  - In the lower position determines the communication interface iNELS
- The DMD3-1 detector is powered directly via the iNELS BUS installation (nominal 27 V DC) or DALI BUS (nominal 16 V DC).
- The unit can be configured via iNELS3 Designer & Manager software, which, amongst other things it is possible to:
- Set the desired functions according to the detected ilumination.
- The sensing range is 1-100 000 lux.
- The DLS3-1 unit is supplied in IP65 and so can be installed in the outdoor environment.

Connection

