DLS4IM
DALI Interface Module

Datasheet

DLS4IM DALI Interface Module is a DALI control module with four general purpose inputs for push-button switches and potentiometers. Each input can be configured for digital or analogue input signals.

Momentary switches or 100kΩ potentiometers are connected directly to the DLS4IM's destination address, and switching mode and DALI-commands can be assigned to each input.

DALI DT8 support is available for adjustable white luminaires with the help of special macros

For potentiometer use the input signal is converted directly into a DALI arc power level. The conversion can be triggered periodically or by a predefined event.

·A switching action or a change in the input voltage signal (>2%) can be selected as trigger event for the conversion.

FEATURES & BENEFITS

- 4 general purpose inputs
- Inputs can be configured for digital or analogue input signals

- DALI commands can be assigned to each input
- DALI DT8 support for adjustable white luminaires

- · Adjustable power-up-function

- Multi-master capability, several modules can be installed on the same DALI bus

- Suitable for installation in protection class II devices or back box installation
- Powered via DALI bus

DLS4IM DALI Interface Module Technical Specifications

ELECTRICAL

Inputs (T1, T2, T3, T4, COM)

Input type: Potential free input / analog input for potentiometer

Control impulse length min: 40ms

Control impulse length for long press: >400ms

Wire length max: 50cm

Power Input

Input power: Powered from DALI bus

Output type: DALI, supply

Voltage range: 9.5Vdc to 22.5Vdc

Input current: < 4mA

Insulation data

Impulse voltage category: II

Pollution degree: 2

Rated insulation voltage: 250V

Rated impulse withstanding voltage: 4kV

Insulation DALI/housing: einforced insulation

Insulation test voltage DALI/housing: 3000Vac

MECHANICAL

Dimensions (l x w x h): 40mm x 28mm x 15mm

Mounting: back box installation Installation in protection class II devices

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 connectors

Cable

Wire size solid core: 0.5 to 1.5 mm^2 (AWG20 to AWG16)

Wire size fine wired: 0 5 to 1.5 mm^2 (AWG20 to AWG16)

Wire size using wire end ferrule: 0.25 to 1 mm^2

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 +75°C

Humidity: 15% to 90% non-condensing

Rated max temperature tc: 75°C

CONFORMITY

EMC: EN 61547, EN 50015 / IEC CISPR15

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

Markings: CE

ORDER CODES

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