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OSRAM

Product data sheet: DALI COUPLER PUSHB G2

DALI-2 certified coupler to integrate up to four switches with dry contacts

DALI technology from OSRAM. The compact housing design of the DALI Coupler PUSHB G2 is optimized for flush box mounting behind standard switches or push buttons.

The button press information is transferred to the controller via the DALI interface. The optimized communication management of OSRAM couplers significantly increases reliability in parallel operation of several couplers or sensors.

The sensor is certified to the DALI-2 standard and is compatible with controllers from different manufacturers. In addition to the standard, the OSRAM-specific protocol can be activated to ensure compatibility with existing control systems.

Sharing the DALI bus system for controlling luminaires and transmitting information from input devices significantly reduces the complexity, planning and cabling effort in buildings.

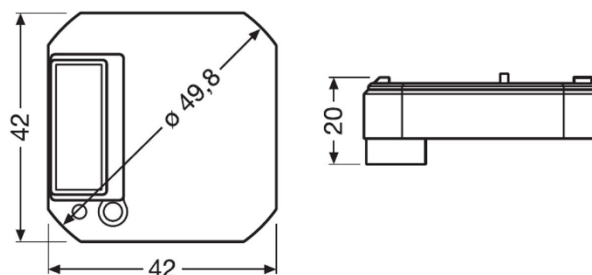


Approvals



Applications

Office and Industry applications.



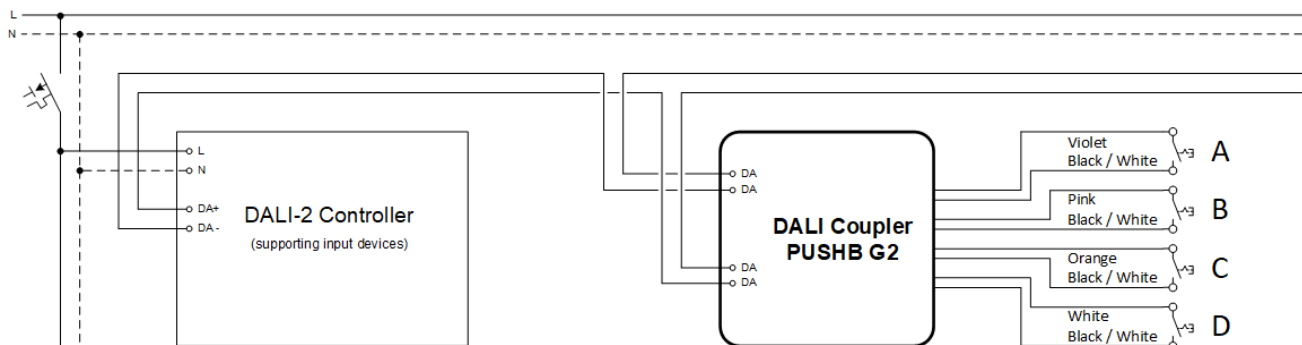
Product Features

- Certified DALI-2 input device (301)
- >50`000 h lifetime at $t_a = 50^\circ \text{C}$ System
- 4 independent push buttons connectable
- Integrated button for Reset and Selection during commissioning
- Very slim housing design (11mm + Terminal height)
- Function indicator with green LED
- Supplied via DALI line
- daisy chain wiring (DALI) possible

Electrical Specifications

| | Item | Value | Unit | Remarks |
|------------------------------|------------------------------------|------------------|---|---|
| INPUT/ OUTPUT | Control Interface | DALI | - | Physical layer according to: EN 62386-101 EN 61347-2-11 EN 62386-103 EN 61547 EN 62386-301 EN 55015 |
| | Nominal Voltage | 16 | V | DC DALI control voltage |
| | Required DALI current (typical) | 5 | mA | |
| | Peak DALI current | 10 | mA | |
| | Maximum start-up time (DALI) | 600 | ms | |
| | Galvanic isolation DALI to mains | Basic insulation | - | Use wires suitable for mains voltage |
| | Wire diameter (DALI) | 0,5..1,5 | mm ² | Single core or stranded wires |
| | Number of inputs | 4 | - | |
| | Connectable push button type | Dry contact | | Us switches suitable for mains voltage (Basic Insulation only) |
| | Push button wires | 0,5 | mm ² | 4 x 2 stranded wires (200mm) with ferrules |
| Max. wire length push button | 2 | m | (total wire length of all push buttons) | |
| ENVIRONMENT | Ambient temperature range t_a | -20...+50 | °C | |
| | Maximum case temperature t_c | 55 | °C | Measured on t_c point (see dimension drawing), t_c may not be exceeded |
| | Max. case temp. in fault condition | 110 | °C | |
| | Storage temperature range | -25...+70 | °C | |
| | Relative humidity | 5...85 | % | Not condensing |
| | Environmental rating | Indoor | | |
| | IP rating | IP 20 | | |
| | Expected lifetime | 50`000 | h | @ $t_a = 50^{\circ}\text{C}$ |
| Housing material | Plastic | | Grey | |

Wiring Diagram



Ordering information

| Product name | Type | EAN10 | EAN40 | NAED | Pieces/box |
|-----------------------|-------------|---------------|---------------|------|------------|
| DALI COUPLER PUSHB G2 | AM3275100G3 | 4062172087575 | 4062172087582 | n/a | 25 |

Disclaimer

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