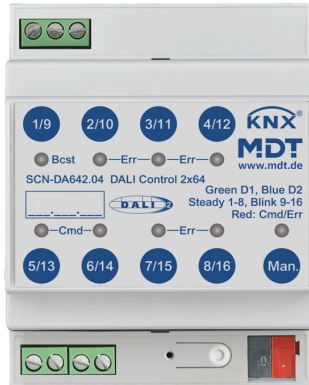


SCN-DA642.04

DALI Control 2 x 64 Gateway, 4 SU MDRC



Product description:

The MDT DALI Control 64 Gateway forms the interface between the KNX and the DALI bus. It enables, for example, the switching and dimming of the existing DALI luminaires via the MDT glass or thermoplastic push-buttons. The gateway supports DALI and DALI-2 compliant luminaires/ballasts, from single-colour to Tunable White, to RGB(W).

Product functions:

- 2 DALI outputs for max. 2 x 64 ECGs
- **Single control of up to 64 ECGs / 16 DALI groups per output**
- Supports DALI, DALI-2 Standard and DALI ECG DT6/DT8
- **Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 Standard**
- **Tunable White colour temperature control**
- **Integrated colour control module for independent control of the light colour**
- **Active status query of individual ECGs in the event of external override**
- **Supports ECGs device type 51, to provide energy or powervalues directly**
- Operation modes: normal, permanent, night, staircase, panic and manual
- 16 Scenes with individual dimming times
- **Energy saving function to switch off the ECG's in the DALI groups (over an additional KNX switch actuator)**
- **Identification of faulty lights and ECGs, ECG quick replacement**
- **Gratis DCA app for commissioning and configuring the DALI bus system, commissioning as of ETS 5**
- 3 year warranty

Technical data:

| | | |
|---------------------------------|--|---|
| Device | Device type | SCN DALI Control |
| | Article Number | SCN-DA642.04 |
| | EAN / GTIN | 4251916130725 |
| | Installation width | 4 SU / 71 mm |
| | Dimensions (H x W x D) | 90 x 71 x 58 mm |
| | Weight, gross (incl. packaging) | 0.175 kg |
| | Protection classification | IP20 |
| | Installation type | MDRC, DIN rail 35 mm |
| | Installation position | any |
| | Certification | DIIA certified in accordance with EN 62386-101 ed 2 and EN 62386-103 ed 2 |
| Weight, net | 0.147 kg | |
| Performance data | Nominal voltage U_n | 100 ... 240 V AC/DC |
| | Nominal frequency | 50/60 Hz |
| | Power dissipation of the device, typical | ≤ 16 W |
| Inputs | Ethernet | 1 x 100BASE-T (100 Mbit/s) |
| Outputs | Number of outputs | 2 |
| | Output type | DALI, Single-Master Application Controller |
| | Number of DALI ECGs | 2 x 64 ^{*1} |
| | Number of DALI groups | 2 x 16 |
| | DALI voltage | 16 V DC, short-circuit proof |
| | Guaranteed supply current | 128 mA |
| | Maximum supply current | 250 mA |
| | Shutdown delay after DALI short circuit | 600 ms |
| Start-up attempt after shutdown | 5 s after short-circuit detection | |
| KNX | Nominal voltage KNX | 30 V DC SELV |
| | Voltage range KNX | 21 ... 31 V DC SELV |
| | Typical power consumption KNX bus | < 0,12 W |
| | KNX Medium | TP-256 with long frame support |
| | KNX Application | as of ETS 5 (latest) |
| Environmental conditions | Ambient operating temperature | -5 ... +45 °C |
| | Storage | -20 ... +55 °C |
| | Humidity | < 95 % |
| | Condensation permissible | No |

Technical data:

| | | |
|--------------------|--------------------------------------|----------------------------------|
| Connections | Connection type | Screw terminal with slotted head |
| | Conductor cross section 1 x | 1 ... 2,5 mm ² |
| | Screw terminal tightening torque | 0.8 Nm |
| | KNX connection type | KNX terminal |
| | Recommended cable cross-section DALI | At least 1.5 mm ² |
| | KNX cable cross section | 0.6 ... 0.8 mm, solid conductor |

*1 in accordance with EN 62386-101 ed1 and ed2

Wiring diagram:

