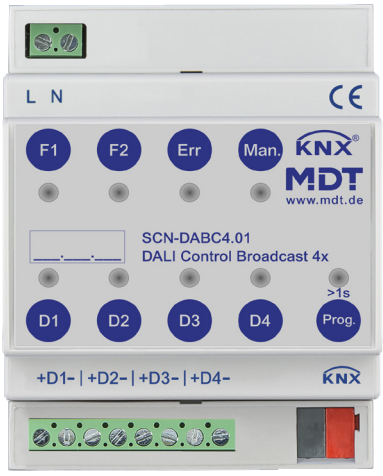
# Product data sheet

| Version | |
|---|---|
| SCN-DABC4.01 | DALI Control Broadcast Gateway, 4 channel, 4 SU MDRC |

The intelligent DALI Control Broadcast Gateway is the interface between KNX and the DALI bus in commercial buildings. Four DALI broadcast channels with up to 32 ECGs each for installations with many luminaires to be switched simultaneously. Fast commissioning without the need for grouping and addressing.




- **Supports up to 32 ECGs per channel**
- **Identification of faulty lights and ECGs, ECG quick replacement**
- Two integrated and separate DALI power supplies
- Supports DALI, DALI-2 Standard and DALI ECG DT6/DT8
- **Innovative HSV colour control, RGB and RGBW according to DALI DT8 Standard**
- **Tunable White colour temperature control**
- **Energy saving function to switch off the ECG's in the DALI channels (over an additional KNX switch actuator)**
- **KNX Data Secure**
- **16 scenes**
- 3 year warranty

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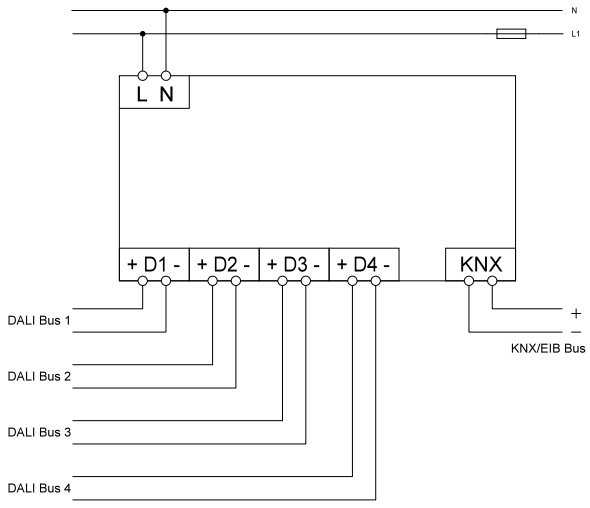
Stand: 03/25

# DALI Control Broadcast Gateway, 4 channel

| Technical data: | SCN-DABC4.01 |
|---|---|
| Number of outputs | 4 |
| Output type | DALI, Single-Master Application Controller |
| Number of DALI ECGs | 4 x 32 *1 |
| DALI voltage | 18 V DC, short-circuit proof |
| Guaranteed supply current | 64 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 |
| Recommended cable cross-section DALI | at least 1.5 mm² |
| Conductor cross section 1 x | 0.5 ... 4 mm² |
| KNX Medium | TP-256 with long frame support |
| ETS Application | as of ETS 5 (latest) |
| KNX cable cross section | 0.6 ... 0.8 mm, solid conductor |
| Voltage range KNX | 21 ... 31 V DC SELV |
| Typical power consumption KNX bus | < 0.12 W |
| Nominal voltage $U_n$ | 100 ... 240 V AC/DC |
| Nominal frequency | 50/60 Hz |
| Ambient operating temperature | -5 ... +45 °C |
| Power dissipation of the device, typical | ≤ 9 W |
| Storage | -20 ... +55 °C |
| Humidity | < 95 % |
| Protection classification | IP20 |
| Condensation permissible | No |
| Installation width | 4 SU / 71 mm |
| Dimensions (H x W x D) | 90 x 71 x 58 mm |

[1] in accordance with EN 62386-101 ed1 and ed2

## Wiring diagram




**Technical modifications and corrections may be made without notice. Images may differ.**