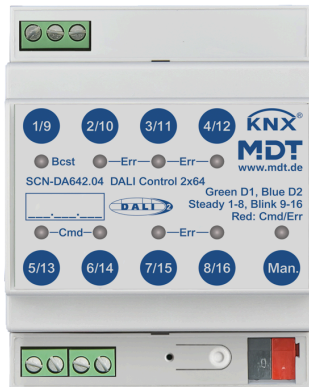


## SCN-DA642.04

### 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**

## Technical data:

<b>Device</b>	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	
<b>Performance data</b>	Nominal voltage $U_n$	100 ... 240 V AC/DC
	Nominal frequency	50/60 Hz
	Power dissipation of the device, typical	$\leq 16$ W
<b>Inputs</b>	Ethernet	1 x 100BASE-T (100 Mbit/s)
<b>Outputs</b>	Number of outputs	2
	Output type	DALI, Single-Master Application Controller
	Number of DALI ECGs	2 x 64 <sup>*1</sup>
	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	
<b>KNX</b>	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)
<b>Environmental conditions</b>	Ambient operating temperature	-5 ... +45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No

## Technical data:

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

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

## Wiring diagram:

