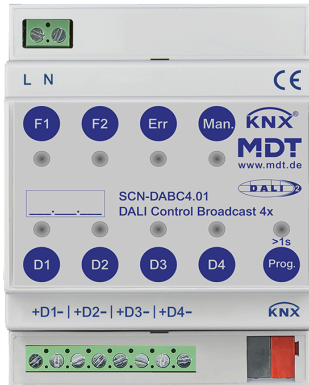


SCN-DABC4.01

DALI Control Broadcast Gateway, 4 channel, 4 SU MDRC



Product description:

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.

Product functions:

- **KNX Data Secure**
- **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 und 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)**
- **16 Scenes**

Technical data:

Device	Device type	SCN DALI Control
	Article Number	SCN-DABC4.01
	EAN / GTIN	4251916130886
	Installation width	4 SU / 71 mm
	Dimensions (H x W x D)	90 x 71 x 58 mm
	Weight, gross (incl. packaging)	0.165 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	0.144 kg
Performance data	Nominal voltage U_n	100 ... 240 V AC/DC
	Nominal frequency	50/60 Hz
	Power dissipation of the device, typical	≤ 9 W
Outputs	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
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)
	KNX Secure	KNX Data Secure
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	0,5 ... 4 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:

