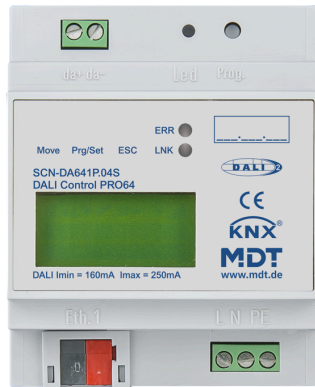


SCN-DA641P.04S

DALI Control Pro64 Gateway, 4 SU MDRC, Secure



Product description:

The MDT DALI Control PRO64 Gateway is a multi-master application controller for controlling electronic ballasts (ECG) with DALI interface via the KNX bus. In addition to supporting DALI and DALI-2 compliant luminaires/ballasts, up to 8 DALI-2 motion detectors or light sensors can be commissioned. Via the integrated web interface, DALI commissioning and ECG replacement is also possible without using the ETS.

Product functions:

- Individual control of up to 64 ECGs/16 DALI Groups
- KNX Data Secure
- Supports DALI and DALI-2 Standard
- Commissioning of up to 8 DALI-2 motion detectors or light sensors
- Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 Standard in 64 single channel /16 Groups
- Tunable White colour temperature control, 64 individual channels/16 groups
- Supports various DALI DT6/DT8 ECGs
- Support for DT1 single-battery emergency lights with colour 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
- Integrated DALI constant light control for up to 3 lighting groups
- Manual operation for all 16 groups
- 16 Scenes with individual dimming times
- Energy saving function, 16 flexible standby-groups to switch off any single channel /group of ECG's (over an additional KNX switch actuator)
- Easy group allocation directly over the display
- DALI commissioning via the web browser or directly on the device
- Identification of faulty lights and ECGs, ECG quick replacement
- Gratis DCA app for commissioning and configuring the DALI bus system, commissioning as of ETS

Technical data:

Device	Device type	SCN DALI Control
	Article Number	SCN-DA641P.04S
	EAN / GTIN	4251916130671
	Installation width	4 SU / 71 mm
	Dimensions (H x W x D)	90 x 71 x 58 mm
	Weight, gross (incl. packaging)	0.212 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	0.184 kg
Performance data	Nominal voltage U_n	100 ... 240 V AC/DC
	Nominal frequency	50/60 Hz
	Power dissipation of the device, typical	≤ 8 W
Inputs	Ethernet	1 x 100BASE-T (100 Mbit/s)
Outputs	Number of outputs	1
	Output type	DALI, Multi-Master Application Controller
	Number of DALI ECGs	64 *1
	Number of DALI groups	16
	Number of DALI sensors	8 *2
	DALI voltage	18 V DC, short-circuit proof
	Guaranteed supply current	160 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	1 ... 2,5 mm ²
	Screw terminal tightening torque	0.5 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

*2 according to EN 62386-303 / -304

Wiring diagram:

