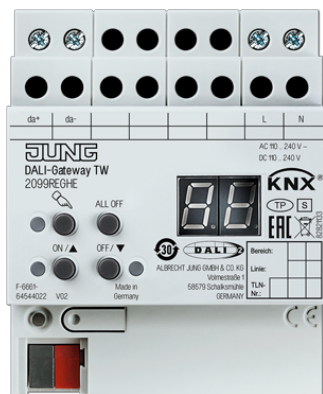


Product data sheet

DALI gateway TW



Reference number

2099 REGHE

KNX DALI gateway TW

rail mounting device, 4 rail units
with manual electronic operation and LED status indication
ETS product family: Illumination
Product type: Dimmer

Intended use

- Controlling of luminaires and other applications with DALI operating device in KNX installations e.g. electronic ballast
- Mounting on DIN rail according to EN 60715 in distribution boxes

Product characteristics

- Control of up to 64 DALI devices in up to 32 groups
- Setting of colour temperature for luminaires with DALI Device Type 8 for tunable white acc. to IEC 62386-209
- Individual, group or central addressing
- Suitable for operation in centrally-powered emergency lighting systems
- 16 light scenes
- Effect control for dynamic lighting effects or colour games
- Read out DALI device state via KNX, e.g. brightness or luminaire error
- Manual operation of the DALI groups
- Restraint function
- Feedback of switching state and brightness value in bus and manual mode
- Collective feedback
- Central switching function
- Disabling function for each DALI group
- Separate ON and OFF delay
- Staircase lighting timer with pre-warning function
- Corridor function: when combined with motion detectors, reduced continuous lighting, if no motion is detected
- Online or offline project design of the DALI devices with ETS plug-in
- Short-circuit protection
- Surge voltage protection
- Overload protection
- Operating hours counter
- Signal of the global switching status of the DALI devices, e.g. to switch off the mains voltage of the DALI devices to avoid standby losses
- An individual DALI device can be exchanged during operation without software
- With device generation V02 or higher: DALI-2 certified
- Linear or logarithmic dimming characteristic can be selected

Technical data

| | |
|--------------------------------|------------------------------|
| Rated voltage: | AC 110 ... 240 V ~, 50/60 Hz |
| Rated voltage: | DC 110 ... 240 V |
| Power loss: | max. 3 W |
| Ambient temperature: | -5 ... +45 °C |
| Storage/transport temperature: | -25 ... +70 °C |
| Rated voltage DALI: | DC 16 V |

| | |
|-----------------------------------|---------------------------------|
| Number of DALI devices: | max. 64 |
| DALI transmission rate: | 1.2 kbit/s |
| DALI protocol: | EN 62386 |
| Cable type: | sheathed cable 230 V, e.g. NYM |
| Cable length DALI | |
| with 1.5 mm ² : | max. 300 m |
| with 1.0 mm ² : | max. 238 m |
| with 0.75 mm ² : | max. 174 m |
| with 0.5 mm ² : | max. 116 m |
| Mounting width: | 72 mm (4 rail units) |
| Connection, power supply and DALI | |
| Connection mode: | screw terminals |
| single wire: | 1 x 0.5 ... 4 mm ² |
| stranded without ferrule: | 1 x 0.5 ... 4 mm ² |
| stranded with ferrule: | 1 x 0.5 ... 2.5 mm ² |
| KNX medium: | TP 256 |
| Rated voltage KNX: | DC 21 ... 32 V SELV |
| Power consumption KNX: | typical 150 mW |
| Connection, KNX: | terminal |

