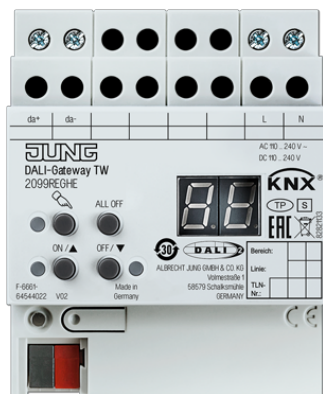# Product data sheet

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 box

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
- Forced operation
- 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
Stora/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 mm²:	max. 300 m
with 1.0 mm²:	max. 238 m
with 0.75 mm²:	max. 174 m
with 0.5 mm²:	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 mm²
stranded without ferrule:	1 x 0.5 ... 4 mm²
stranded with ferrule:	1 x 0.5 ... 2.5 mm²
KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Power consumption KNX:	typical 150 mW
Connection, KNX:	connection terminal

DALI 2

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