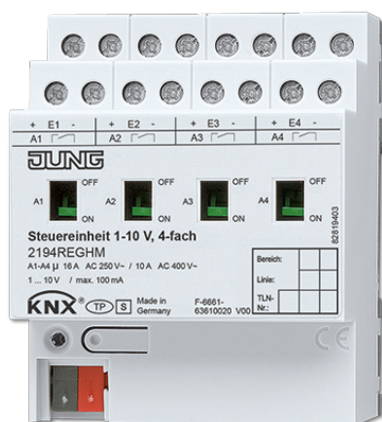


Product data sheet

Control unit 1-10 V, 4-gang



Reference number

2194 REGHM

KNX control unit 1 – 10 V, 4-gang

rail mounting device, 4 rail units
ETS product family: Illumination
Product type: Dimmer

Intended use

- Switching and brightness setting for lamps with operating devices with 1-10 V interface
- Switching of electrical loads
- Mounting on DIN rail according to EN 60715 in distribution box

Product characteristics

- Manual switching of the relays is independent of the bus
- Switching of capacitive loads and the resulting high switch-on currents
- Flexible assignment of control inputs to switching outputs, e.g. to control RGBW lamps
- Operation of the switching outputs as a switching actuator
- Connection of different line conductors possible
- No additional power supply necessary
- Feedback of switching state and brightness value
- Switch position indication
- Burn-in function for fluorescent lamps
- Switch-on and dimming behaviour can be set
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Integration into light scenes
- Operating hours counter

Technical data

KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	max. 6 mA
Power loss:	max. 4 W
Ambient temperature:	-5 ... +45 °C
Stora/transport temperature:	-25 ... +70 °C
Control outputs	
Control voltage:	1 ... 10 V
Control current per output:	max. 100 mA
Cable length:	max. 500 m (0.5 mm ²)
Switching outputs	
Contact type:	floating relay contacts (μ contact)
Switching voltage AC:	AC 250 / 400 V
Switching current 230 V AC1:	16 A
Switching current 230 V AC3:	10 A
Switching current 400 V AC1:	10 A
Switching current 400 V AC3:	6 A

Fluorescent lamps:	16 AX
Switching voltage DC:	DC 12 ... 24 V
Switching current DC:	16 A
Min. switching current:	100 mA
Switch-on current 150 µs:	600 A
Switch-on current 600 µs:	300 A
Ohmic load:	3680 W
Capacitive load:	16 A / 200 µF
Lamp loads	
Incandescent lamps:	3680 W
HV halogen lamps:	3680 W
LV halogen lamps with	
inductive transformers:	2000 VA
electronic transformers:	2500 W
Fluorescent lamps T5/T8	
non-compensated:	3680 W
parallel compensated:	2500 W / 200 µF
lead-lag circuit:	3680 W / 200 µF
Compact fluorescent lamps	
non-compensated:	3680 W
parallel compensated:	2500 W / 200 µF
Mercury vapour lamps	
non-compensated:	3680 W
parallel compensated:	3680 W / 200 µF
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4 mm ²
stranded without ferrule:	1 x 0.34 ... 4 mm ²
stranded with ferrule:	1 x 0.14 ... 2.5 mm ²
Mounting width:	72 mm (4 rail units)