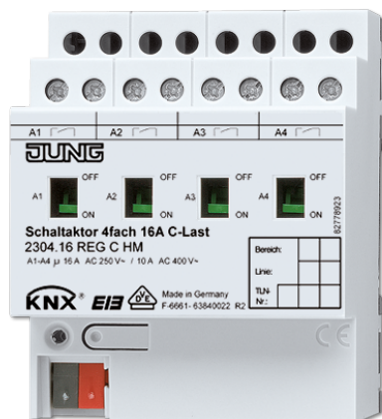


# Product data sheet

Switch actuator, 4-gang, C-load



## Reference number

2304.16 REGCHM

## KNX switch actuator with C-load, 4-gang

### with current detection

rail mounting device, 4 rail units

4 NO contacts with manual mechanical operation and status indicator

Only with the ETS 3.0d version or later versions the full functionality will be available.

ETS product family: Output

Product type: Binary output

### Intended use

- Switching of 110 ... 230 V AC or 24 V AC/DC electrical loads with floating contacts
- Mounting on DIN rail according to EN 60715 in distribution boxes

### Product characteristics

- Manual switching of the relays is independent of the bus
- Operation as NO or NC contacts
- Logic operation and forcing function
- Switching feedback (bus operation only)
- Switch position display
- Central switching function with collective feedback
- Disabling function for each channel
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Integration into light scenes
- Operating hours counter, configurable via bus
- Input monitoring for cyclical updating with safety circuit
- No additional power supply necessary
- Current detection: measurement of the load current for each output
- Monitoring of threshold values for load monitoring, e.g. for reporting load drop-out
- Switching of capacitive loads and the resulting high switch-on currents

### Technical data

KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Connection, KNX:	terminal
Power consumption KNX:	typical 240 mW
Power loss:	max. 4 W
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Mounting width:	72 mm (4 rail units)
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Current detection (sine)	
Mains frequency:	50/60 Hz
Measuring range:	0.25 ... 16 A

Accuracy ( $\leq 1$ A):	$\pm 100$ mA
Accuracy ( $> 1$ A):	$\pm 8$ % of curr. val.
Switching outputs	
Contact type:	floating relay contacts ( $\mu$ 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
Ohmic load:	3680 W
Capacitive load:	16 A / 200 $\mu$ F
Switching voltage DC:	DC 12 ... 24 V
Switching current DC:	16 A
Min. switching current:	100 mA
Switch-on current 150 $\mu$ s:	600 A
Switch-on current 600 $\mu$ s:	300 A
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 $\mu$ F
lead-lag circuit:	3680 W / 200 $\mu$ F
Compact fluorescent lamps	
non-compensated:	3680 W
parallel compensated:	2500 W / 200 $\mu$ F
Mercury vapour lamps	
non-compensated:	3680 W
parallel compensated:	3680 W / 200 $\mu$ F
Approvals:	VDE

