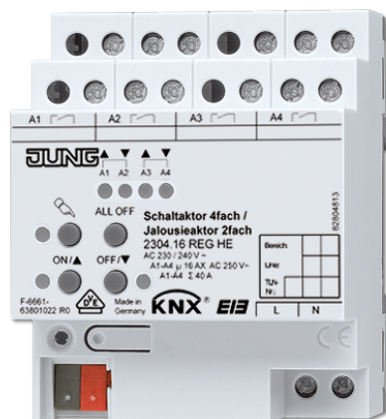


# Product data sheet

Switch actuator, 4-gang / blinds actuator, 2-gang



## Reference number

2304.16 REG HE

## Switch / blinds actuator, 4/2-gang

Rail mounting device, 4 rail units

Switch actuator: max. 4-gang

Blind actuator: max. 2-gang

Max. 2-gang switch actuator/1-gang blind actuator in combination

with manual electronic operation and LED status indication

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 AC 110 ... 230 V electrical loads with floating contacts
- Switching of electrically-driven blinds, shutters, awnings and similar hangings
- Mounting on DIN rail in small distributors

## Product characteristics

- Outputs can be operated manually, construction site mode
- Feedback in manual mode and in bus mode
- Scene function
- Disabling of individual outputs manually or via bus

## Characteristics switching operation

- Operation as NO or NC contacts
- Logic operation and forcing function
- Feedback function
- Central switching function with collective feedback
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function

## Characteristics blinds operation

- Suitable for 110 ... 230 V AC motors
- Blind/shutter position directly controllable
- Slat position directly controllable
- Feedback of movement status, blind/shutter position and slat position
- Forced position through higher-level controller
- Safety function: rain alarm, frost alarm, 3 independent wind alarms
- Sun protection function

The total current of two adjacent outputs must not exceed 20 A.

## Technical data

Power supply

Rated voltage:

AC 230/240 V ~

Mains frequency:

50/60 Hz

Power loss:

max. 2 W

Ambient temperature:	-15 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
<b>Outputs</b>	
Contact type:	floating relay contacts ( $\mu$ contact)
Switch type:	NO contact
Switching voltage:	AC 250 V ~
Switching current AC1 (cos > 0.8):	16 A
Fluorescent lamps:	16 AX
<b>Current carrying capacity</b>	
Neighbouring outputs:	20 A
Device:	40 A
<b>Loads per output</b>	
Ohmic load:	3000 W
Capacitive load:	16 A / 140 $\mu$ F
Motors:	1380 VA
Switch-on current 200 $\mu$ s:	max. 800 A
Switch-on current 20 ms:	max. 165 A
<b>Lamp loads</b>	
trailing edge phase control:	3000 W
HV halogen lamps:	2500 W
LV halogen lamps with	
electronic transformers:	1500 W
inductive transformers:	1200 VA
Fluorescent lamps T5/T8	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 $\mu$ F
lead-lag circuit:	2300 W / 140 $\mu$ F
Compact fluorescent lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 $\mu$ F
Mercury vapour lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 $\mu$ F
<b>Connection, power supply and load</b>	
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>
<b>KNX</b>	
Rated voltage KNX:	DC 21 ... 32 V SELV
Power consumption KNX:	typical 150 mW
Connection, KNX:	terminal
Approvals:	VDE

