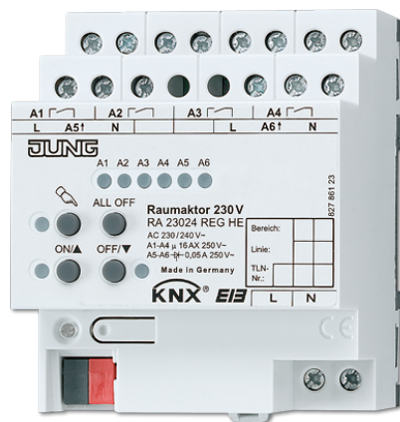


Product data sheet

Room actuator AC 110-230 V



Reference number

RA 23024 REG HE

KNX room actuator 110-230 V

rail mounting device, 4 rail units

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 mix

Intended use

- Switching of AC 110 ... 230 V electrical loads with floating contacts
- Switching of electrically-driven blinds, shutters and awnings
- Heating outputs: electronic outputs for switching electrothermal valve drives

Product characteristics

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

Switching function

- Operation as 1-way NO or 1-way NC contacts
- Logic operation and forced guidance
- Feedback function
- Central switching function with collective feedback
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with switch-off warning

Blinds function

- 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

Control of valve drives 230 V

- Switching operation or PWM operation
- Valve drives with characteristics "normally open" or "normally closed" can be controlled
- Overload-protected, short circuit-protected
- Emergency operation in case of bus voltage failure for summer and winter
- Protection against jamming valves
- Forced position
- Cyclical monitoring of the input signals can be parameterised

Technical data

KNX medium:	TP 256
KNX supply:	DC 21 ... 32 V SELV
Power consumption KNX:	max. 150 mW
Power supply mains:	AC 110 ... 230 V ~, 50/60 Hz
Power loss:	max. 6 W
Ambient temperature:	-5 ... +45 °C
Storing temperature:	-25 ... +70 °C
Mounting width:	72 mm (4 rail units)
Connection, KNX:	connection terminal
Connection, mains and outputs	
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
Heating outputs	
Number:	2
Contact type:	semiconductor,
Switching voltage:	AC 230/240 V ~
Switching current:	5 ... 50 mA
Switch-on current:	max. 1.5 A (2 s)
Number of valve drives per output:	max. 4
Relay outputs	
Number:	4 (2 channels for operating blinds)
Contact type:	floating 1-way NO contact (μ contact)
Switching voltage:	AC 230/240 V ~
Breaking capacity AC1:	16 A
Breaking capacity AC3:	6 A
Breaking capacity fluorescent lamps:	16 AX
Switching capacities per output	
Ohmic load:	3000 W
Capacitive load:	16 A / max. 140 μF
Motors:	1380 VA
Lamp loads	
Incandescent lamps:	3000 W
HV halogen lamps:	2500 W
LV halogen lamps with	
electronic transformers:	1500 W
inductive transformers:	1200 VA
Fluorescent lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / max. 140 μF
– lead-lag circuit:	2300 W / max. 140 μF
Approvals:	VDE

