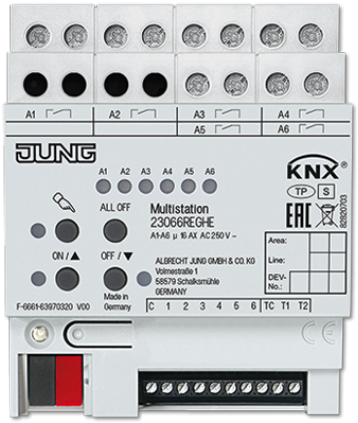
Product data sheet

Multi station



Reference number
23066 REGHE

KNX multi station

rail mounting device, 4 rail units

Intended use

- Switching of electrical loads with floating contacts
- Switching of electrically-driven blinds, shutters, awnings and similar hangings
- Switching of electrothermal drives
- Polling of conventional switching or push-button contacts, window contacts etc. in KNX systems, for reporting of states, meter levels, operation of loads, etc.
- Polling of external temperature sensors for heating control
- Logic functions to control building functions
- Mounting on DIN rail according to EN 60715 in distribution boxes

Product characteristics

- Actuator functions: switching, blinds, electrothermal drives
- Actuator function can be switched in pairs
- Integrated push-button interface with 6 inputs
- 2 integrated room temperature controllers
- 2 inputs for temperature sensors (ref.-no. FF 7.8)
- 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

Switching function

- Max. 6 switching outputs
- 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

Blinds function

- Max. 3 blinds outputs
- Suitable for 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

Function of valve drives

- Max. 2 outputs for electrothermal drives
- Switching operation or PWM operation
- Actuators with characteristics "normally open" or "normally closed" can be controlled
- 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

Heating controller

- 2 internal controllers to control two independent rooms
- Control for heating or cooling, optionally with additional level
- On-off, PWM or PI control
- Predefined heating types (hot water heating, fan coil unit ...) or individual parameters possible

Inputs

- 6 inputs for push-buttons
- Input functions: switching, dimming, blinds control, light scene extension unit, brightness or temperature value transmitter
- 2 inputs for external temperature sensors

Logic functions

- Up to 10 logic operations with up to 8 inputs each, e.g. for AND, OR and XOR operations
- Conversion of data point types, e.g. from 1-bit to 8-bit
- Comparative operations, e.g. <, >, ≤, ≥
- Arithmetic functions, e.g. +, –, *, :

Technical data

KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	4 ... 20 mA
Connection, KNX:	terminal
Power loss:	max. 6 W
Ambient temperature:	–5 ... +45 °C
Storage/transport temperature:	–25 ... +70 °C
Relay outputs	
Contact type:	floating relay contacts (µ contact)
Switch type:	NO contact
Switching voltage:	AC 250 V ~
Min. switching current AC:	100 mA
Switching current AC1 (cos > 0.8):	16 A
Switching current AC3 (cos < 0.8):	6 A
Fluorescent lamps:	16 AX
Switch-on current 200 µs:	max. 800 A
Switch-on current 20 ms:	max. 165 A
Switching voltage DC:	DC 12 ... 24 V
Switching current DC 24 V:	6 A
Connected load, 230 V	
Ohmic load:	3000 W
Blind / Fan motors:	1380 VA

Lamp loads 230 V	
Incandescent lamps:	3000 W
HV halogen lamps:	2500 W
HV LED lamps:	max. 400 W
Electronic transformers:	1500 W
Inductive transformers:	1200 VA
Fluorescent lamps T5/T8	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
lead-lag circuit:	2300 W / 140 µF
Compact fluorescent lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
Mercury vapour lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
Electrothermal valve drives	
Cycle time:	min. 15 min
Connection, load	
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
Inputs	
Rated voltage:	DC 3.3 V SELV
Signal duration:	min. 100 ms
NO contacts:	max. 50
NC contacts:	max. 50
Cable length:	max. 30 m
Use shielded cables for cable lengths > 3 m.	
Connection, inputs:	
Connection mode:	screw terminals
single wire:	1 x 0.08 ... 1.5 mm²
stranded without ferrule:	1 x 0.08 ... 1 mm²
stranded with ferrule:	1 x 0.14 ... 0.5 mm²
Mounting width:	72 mm (4 rail units)