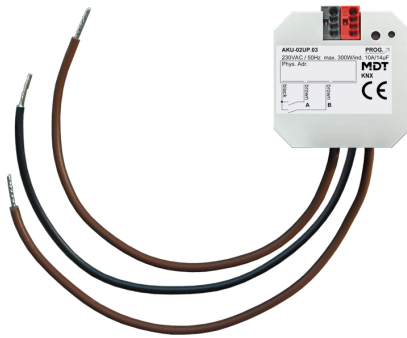


## AKU-02UP.03

KNX Universal Actuator 2-channel, flush mounted, 10 A, 230 V AC, 14  $\mu$ F, 2 ECG



### Product description:

The flush-mounted version of the AKU universal actuator can be used in many ways: as a switching actuator with various functions (2-channel), as a blind actuator (1-channel) with automatic shading function or as a heating actuator. The comprehensive application offers full functionality in all three areas.

### Product functions:

- max. current 10 A with ohmic load, 14  $\mu$ F / 2 EVG
- With sun position calculation and shading
- **Can be used as a Switch Actuator (2 channel) or as a Shutter Actuator (1 channel)**
- Heating control with PWM 0-100 %
- **Practice-oriented ventilation function (window opened/tilted)**
- **Automatic sun shading/slat tracking based on sun position calculation**
- Time functions (switch on-/switch off delay, staircase light function)
- Status feedback for all channels (active/passive)
- Logical functions, 8 scenes per channel
- Central functions and blocking objects for forced operation
- Operation mode for shutter/blinds
- Travel-, pause- and step time selectable
- Behaviour on Bus power reset selectable
- Dimensions (H x W x D): 41 x 41 x 22 mm
- 3 year warranty

## Technical data:

<b>Device</b>	Device type	AKU Universal Actuator
	Article Number	AKU-02UP.03
	EAN / GTIN	4251916130398
	Dimensions (H x W x D)	41 x 41 x 22 mm
	Weight, gross (incl. packaging)	0.06 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Weight, net	0.04 kg
<b>Performance data</b>	Nominal voltage $U_n$	230 V AC *1
	Nominal current $I_n$ (per output)	10 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Capacitive load	14 $\mu$ F / 10 A
	Power dissipation of the device, typical	$\leq$ 1 W
<b>Outputs</b>	Number of outputs	2
	Maximum motor power per channel	300 W
<b>Lamp data</b>	Incandescent lamp load	1500 W
	HV-Halogen lamps	1200 W
	NV-Halogen lamps	500 W
	Fluorescent lamp uncompensated	500 W
	Fluorescent lamp parallel compensation	120 W
	Max. number of ECG	2
<b>Currents</b>	Inrush current (150 $\mu$ s)	150 A
	Inrush current (600 $\mu$ s)	50 A
	Total current carrying capacity of the actuator	16 A
<b>KNX</b>	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 5 (latest)
<b>Environmental conditions</b>	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No

## Technical data:

<b>Connections</b>	Connection type	Screw terminal with slotted head
	Screw terminal tightening torque	0.5 Nm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

\*1 Mixed operation of nominal and safety extra low voltage (SELV) within the actuator is not permitted!

## Wiring diagram:

