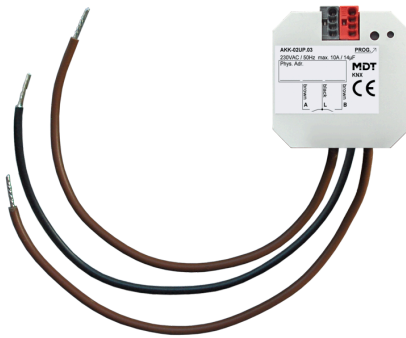


AKK-02UP.03

KNX Switch Actuator 2-channel, flush mounted, 10 A, 14 μ F, 2ECG, 230 V AC, Compact



Product description:

The flush mounted version of the MDT Switch Actuator with comprehensive functions is ideal for small to medium loads. This is the actuator for decentralised switching of individual loads directly out of the installation box.

Product functions:

- **Function extension**
- Normally open and normally closed
- Time functions (switch-on / switch-off delay)
- Comprehensive staircase lighting and pulse functions
- Status feedback for all channels (active/passive)
- Logical functions
- Extended scene function per channel
- Central functions and blocking objects for forced operation
- Behaviour on Bus power reset selectable
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm
- Fast application download (long frame support as of ETS 5)

Technical data:

Device	Device type	AKK Switch Actuator
	Article Number	AKK-02UP.03
	EAN / GTIN	4251916130206
	Dimensions (H x W x D)	41 x 41 x 22 mm
	Weight, gross (incl. packaging)	0.058 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Weight, net	0.039 kg
	Mechanical manual override	No
Performance data	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 μ F / 10 A
	Power dissipation of the device, typical	\leq 3 W
Outputs	Number of outputs	2
Lamp data	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
Currents	Inrush current (150 μ s)	150 A
	Inrush current (600 μ s)	50 A
	Total current carrying capacity of the actuator	16 A
KNX	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 4
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No

Technical data:

Connections	Connection type	Connection wire 1.5 mm ²
	Length of the connection cable	19 cm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

Hinweise

Protection against induced voltage spikes: To protect against voltage spikes when switching off inductive loads, it is recommended to use appropriate protective circuits such as flyback diodes, RC networks, or varistors directly at the actuator output.

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

Wiring diagram:

