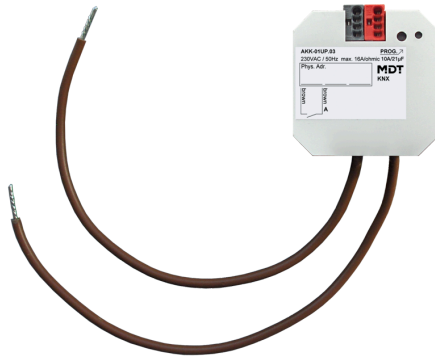


## AKK-01UP.03

KNX Switch Actuator 1-channel, flush mounted, 16 A, 70 µF, 10 ECG, 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 failure/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)
- 3 year warranty

## Technical data:

<b>Device</b>	Device type	AKK Switch Actuator
	Article Number	AKK-01UP.03
	EAN / GTIN	4251916130190
	Dimensions (H x W x D)	41 x 41 x 22 mm
	Weight, gross (incl. packaging)	0.056 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Weight, net	0.036 kg
	Mechanical manual override	No
<b>Performance data</b>	Nominal voltage $U_n$	230 V AC
	Nominal current $I_n$ (per output)	16 A
	Nominal frequency	50/60 Hz
	Relay type	bistable
	Mech. switching frequency	1.000.000
	Capacitive load	70 $\mu$ F / 16 A
	Fluorescent lamp load AX	$\leq$ 16 AX
	Power dissipation of the device, typical	$\leq$ 3 W
<b>Outputs</b>	Number of outputs	1
<b>Lamp data</b>	Incandescent lamp load	2000 W
	HV-Halogen lamps	2000 W
	NV-Halogen lamps	1200 W
	Fluorescent lamp uncompensated	1800 W
	Fluorescent lamp parallel compensation	800 W
	Max. number of ECG	10
<b>Currents</b>	Inrush current (150 $\mu$ s)	300 A
	Inrush current (600 $\mu$ s)	150 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 4

## Technical data:

<b>Environmental conditions</b>	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
<b>Connections</b>	Connection type	Connection wire 1.5 mm <sup>2</sup>
	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.

## Wiring diagram:

