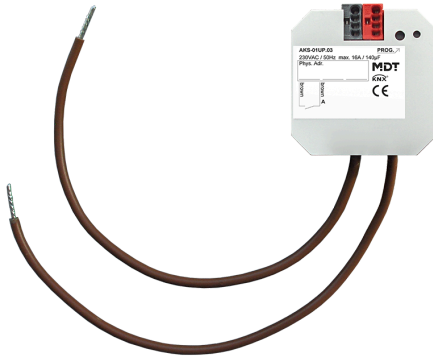


## AKS-01UP.03

**KNX Switch Actuator 1-channel, flush mounted, 16 A, 230 V AC, C-load, Standard, 140  $\mu$ F**



### Product description:

The MDT Switch Actuator AKS 16 A UP in standard version for medium and high loads, installation in a flush mounted installation box. The switch actuator has a wide range of functions and is equipped with one bistable relays for currents up to 16 A and a C-load of up to 140  $\mu$ F.

### Product functions:

- max. current 16 A, capacitive load 140  $\mu$ F
- **Comprehensive application**
- Normally open and normally closed
- Extended status functions (inverted, cyclic, during locking)
- Time functions (switch-on / switch-off delay)
- Comprehensive staircase lighting and pulse functions
- Extended logic and scene function
- **Threshold switch (1 Byte/2 Byte/2 Byte float)**
- **Operating hours meter**
- **Priority/forced operation with automatic release time**
- Fast application download (long frame support as of ETS 5)
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm
- 3 year warranty

## Technical data:

<b>Device</b>	Device type	AKS Switch Actuator
	Article Number	AKS-01UP.03
	EAN / GTIN	4251916130756
	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	0.038 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	140 $\mu$ F / 16 A
	Fluorescent lamp load AX	$\leq$ 16 AX
	Power dissipation of the device, typical	$\leq$ 1 W
<b>Outputs</b>	Number of outputs	1
<b>Lamp data</b>	Incandescent lamp load	2500 W
	HV-Halogen lamps	2500 W
	NV-Halogen lamps	1500 W
	Fluorescent lamp uncompensated	2300 W
	Fluorescent lamp parallel compensation	1500 W
	Max. number of ECG	20
<b>Currents</b>	Inrush current (150 $\mu$ s)	600 A
	Inrush current (600 $\mu$ s)	250 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)

## 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:

