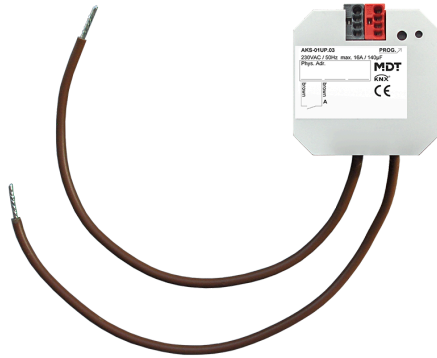


AKS-01UP.03

KNX Switch Actuator 1-channel, flush mounted, 16 A, 230 V AC, C-load, Standard, 140 μ 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 μ F.

Product functions:

- max. current 16 A, capacitive load 140 μ 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

Technical data:

Device	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
Performance data	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 μ F / 16 A
	Fluorescent lamp load AX	\leq 16 AX
	Power dissipation of the device, typical	\leq 1 W
Outputs	Number of outputs	1
Lamp data	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
Currents	Inrush current (150 μ s)	600 A
	Inrush current (600 μ s)	250 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 5 (latest)

Technical data:

Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
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.

Wiring diagram:

