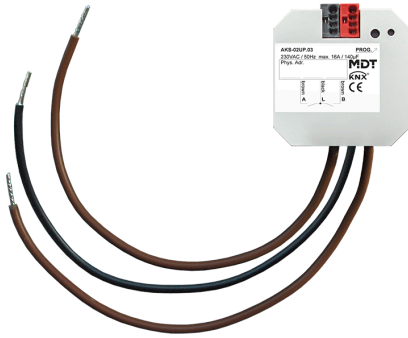


AKS-02UP.03

KNX Switch Actuator 2-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 two 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-02UP.03
	EAN / GTIN	4251916130763
	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
	Mechanical manual override	No
Performance data	Nominal voltage U_n	230 V AC ^{*1}
	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 2 W
Outputs	Number of outputs	2
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.

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

Wiring diagram:

