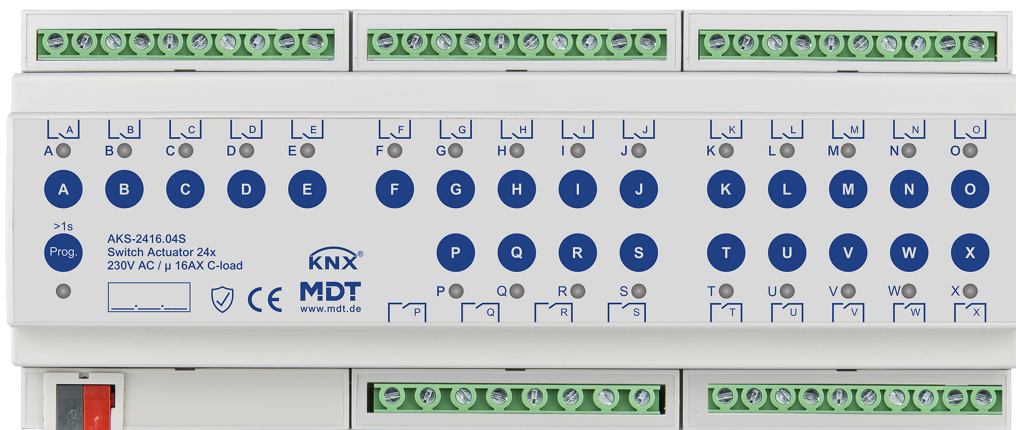


AKS-2416.04S

KNX Switch Actuator 24-channel, 12 SU MDRC, 16 A, 230 V AC, C-load, standard, 140 µF, Secure



Product description:

The MDT Switch Actuator AKS 16 A in standard version for medium to large loads and with a wide range of functions. The AKS series offers more channels with less space requirement, which minimises costs per channel and for the distribution board. The actuator is equipped with bistable relays for currents up to 16 A and a C-load of up to 140 µF. Each channel can be switched directly by means of a button on the actuator. KNX Data Secure

Product functions:

- **KNX Data Secure**
- **Space saving due to an optimised form factor**
- **Virtual interface in the ETS**
- **Up to 6 central objects with status objects**
- Manual mode blockable and LED indicator per channel
- **4 mm² connection terminals. Individual L-connections**
- Status feedback for all channels (also for manual operation)
- Time functions (switch on-/switch off delay, staircase light function)
- **Extended logic and scene function per channel**
- Extended status functions (inverted, cyclic, during locking)
- **Threshold switch (1 Byte/2 Byte/2 Byte float)**
- **Operating hours meter**
- **Priority/forced operation with automatic release time**
- Power supply over the KNX Bus
- **Comprehensive application**
- Normally open and normally closed

Technical data:

Device	Device type	AKS Switch Actuator
	Article Number	AKS-2416.04S
	EAN / GTIN	4251916131111
	Installation width	12 SU / 216 mm
	Dimensions (H x W x D)	90 x 216 x 65 mm
	Weight, gross (incl. packaging)	0.786 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Installation position	any
	Weight, net	0.74 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	$\leq$ 24 W
Outputs	Number of outputs	24
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	192 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)
	KNX Secure	KNX Data Secure

Technical data:

Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
Connections	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 4 mm ²
	Screw terminal tightening torque	0.5 Nm
	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!