

## AKK-0216.03

KNX Switch Actuator 2-channel, 2 SU MDRC, 16 A, 230 V AC, compact, 70  $\mu$ F, 10 ECG



### Product description:

The compact MDT Switch Actuator AKK for small to medium loads offers comprehensive functions. The four channel switch actuator requires 2 SU MDRC in a distribution board, half the space required in comparison to comparable actuators. The maximum switching capacity is 16 A and 70  $\mu$ F C-Load

### Product functions:

- **Function extension**
- Push-button for manual operation and LED Indicator per channel
- Normally open and normally closed
- Status feedback for all channels (also for manual operation)
- Time functions (switch-on / switch-off delay)
- Comprehensive staircase lighting and pulse functions
- Logical functions
- Extended scene function per channel
- Central functions and blocking objects for forced operation
- Behaviour on Bus power failure/reset selectable
- **Common L- connection**
- Power supply over the KNX Bus
- Fast application download (long frame support as of ETS 5)

## Technical data:

<b>Device</b>	Device type	AKK Switch Actuator
	Article Number	AKK-0216.03
	EAN / GTIN	4251916130237
	Installation width	2 SU / 36 mm
	Dimensions (H x W x D)	90 x 36 x 65 mm
	Weight, gross (incl. packaging)	0.124 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Installation position	any
	Weight, net	0.105 kg
	Mechanical manual override	No
	<b>Performance data</b>	Nominal voltage $U_n$
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	2
<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	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm <sup>2</sup>
	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:

