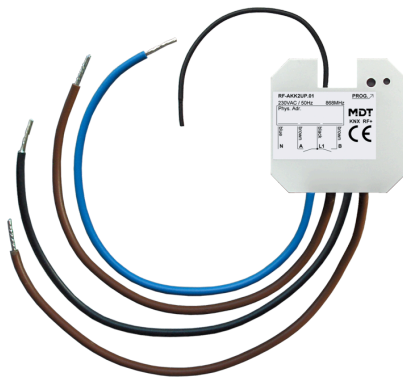


RF-AKK2UP.01

KNX RF+ Switch Actuator 2 gang, flush mounted, 10 A, 230 V AC



Product description:

The KNX RF+ radio switch actuator AKK is suitable for decentralised switching of single loads directly from the switch box. Equipped with extensive functions for small up to medium loads. For use in KNX RF+ radio lines.

Product functions:

- **KNX RF+ Protocol in System Mode**
- Commissioning as of ETS 5
- Normally open and normally closed
- Time functions (switch on-/switch off delay, staircase light function)
- Status feedback for all channels (active/passive)
- Logical functions
- 8 scenes per channel
- Central functions and blocking objects for forced operation
- Connection through MDT KNX RF+ Line Coupler
- **For modernisation without installation of KNX Bus cable**
- Power supply 230 V AC
- Installation in an installation box
- Dimensions (H x W x D): 41 x 41 x 22 mm
- 3 year warranty

Technical data:

Device	Device type	RF+ Switch Actuator
	Article Number	RF-AKK2UP.01
	EAN / GTIN	4251916148522
	Dimensions (H x W x D)	41 x 41 x 22 mm
	Weight, gross (incl. packaging)	0.064 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Certification	EU Declaration of Conformity, according to Directive 2014/53/EU
	Transmission frequency	868.0 ... 868.6 MHz *1
	Range in the free field	150 m
	Output level	10 dBm
	Sensitivity	> -105 dBm
	Compatibility (mode)	KNX RF S-Mode
	Weight, net	0.045 kg
Performance data	Nominal voltage U_n	230 V AC *2
	Nominal current I_n (per output)	10 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Capacitive load	14 μ F / 10 A
	Supply voltage U	230 V AC, 50 Hz
	Power dissipation of the device, typical	\leq 2 W
	Power consumption	< 0,3 W
Outputs	Number of outputs	2
Lamp data	Incandescent lamp load	1900 W
	HV-Halogen lamps	800 W
	NV-Halogen lamps	500 W
	Fluorescent lamp uncompensated	500 W
	Fluorescent lamp parallel compensation	90 W
Currents	Inrush current (150 μ s)	80 A
	Inrush current (600 μ s)	40 A
KNX	KNX Medium	KNX RF 1.R
	KNX Application	as of ETS 5 (latest)

Technical data:

Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
Connections	Connection type	Connection wire 1.5 mm ²
	Length of the connection cable	19 cm

*1 The use of the 868 MHz frequency band is subject to national regulations. Before commissioning, ensure that the applicable legal requirements of the respective country are reviewed and complied with.

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

Wiring diagram:

