

## RF-AZK1ST.01

**KNX RF+ Socket 1-gang, 16 A, 230 V AC with active power measurement**



### Product description:

The KNX RF+ radio-controlled socket outlet with active power meter is an intermediate plug for switching single loads with a protective contact plug, such as floor lamps or holiday lighting. 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
- **True active power meter (Wh/kWh) with current- and voltage measurement**
- Connection through MDT KNX RF+ Line Coupler
- 3 year warranty

## Technical data:

<b>Device</b>	Device type	RF+ Socket
	Article Number	RF-AZK1ST.01
	EAN / GTIN	4251916148539
	Colour	White
	Dimensions (H x W x D)	108 x 59 x 77 mm
	Weight, gross (incl. packaging)	0.174 kg
	Protection classification	IP20
	Installation type	Plug adapter
	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	0.144 kg	
<b>Performance data</b>	Nominal voltage $U_n$	230 V AC
	Nominal current $I_n$ (per output)	16 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Capacitive load	21 $\mu$ F / 16 A
	Supply voltage U	230 V AC, 50 Hz
	Power dissipation of the device, typical	$\leq$ 1 W
Power consumption	< 0,3 W	
<b>Operation</b>	Number of buttons	1
	Number of LEDs	1 x green (status), 1 x red (programming LED)
<b>Inputs</b>	Input voltage	230 V AC
<b>Outputs</b>	Number of outputs	1
<b>Lamp data</b>	Incandescent lamp load	2300 W
	HV-Halogen lamps	2000 W
	NV-Halogen lamps	800 W
	Fluorescent lamp uncompensated	800 W
	Fluorescent lamp parallel compensation	180 W

## Technical data:

<b>Currents</b>	Inrush current (150 µs)	80 A
	Inrush current (600 µs)	40 A
	Current measuring range	10 mA ... 16 A
	Measurement accuracy, typical	2 %
	Sampling rate	2000 measurements / 500 ms
<b>KNX</b>	KNX Medium	KNX RF 1.R
	KNX Application	as of ETS 5 (latest)
<b>Environmental conditions</b>	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %

\*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.