Synco™ living

RF adapter plugs, dimming   KRF961..

- **Radio-controlled adapter plugs for switching and dimming electrical lights up to 300 W**
- **RF communication based on KNX standard (868 MHz, bidirectional)**
- **Mains-powered AC 230 V**

Use

- For integration into the Siemens Synco living system
- For remote control of dimmable lights connected to power outlets
- Operation via KNX-RF or manually

Equipment combinations

The RF adapter plug KRF961 is for use with the Siemens Synco living system. For detailed information about equipment combinations, refer to the Data Sheet on the QAX910 central apartment unit (CE1N2707en).
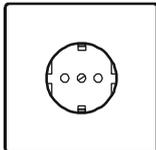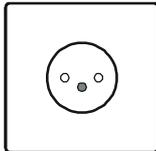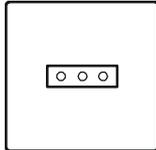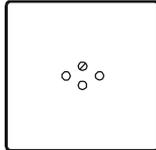
Ordering

When ordering, please give quantity, product name and type reference.

Scope of delivery   The KRF961 is supplied complete with Mounting Instructions.

Type summary

The RF adapter plug KRF961 is available in the following versions:

Type of mains plug	Product No.	Type of power outlet
F	KRF961-F	
E	KRF961-E	
L	KRF961-L	
J	KRF961-J	

Product documentation

The Operating and Commissioning Instructions for the KRF961 are part of the product documentation on the QAX910 central apartment unit.

Functions

Main function The KRF961 is used for remote control of electrical lights connected to power outlets.

Each KRF961 can be dimmed via the central apartment unit, either individually or in groups.

Binding The KRF961 signs on at the central apartment unit, thereby integrating itself into the wireless system. The binding process is triggered by pressing the function button. The process is indicated by the function LED.

Supply state The KRF961 can be reset to its supply state by pressing the function button. If reset, the adapter plug must be reintegrated into the system.

Power break After a power break (e.g. after disconnecting the KRF961), the connected lamp is dead.

Child-proofing The KRF961 features mechanical child-proofing. This means that live parts inside the adapter plug cannot be touched by introducing objects.

Operating and indicating elements

Functions of the operating and indicating elements:

Function LED	Function button
• Dimming action	• Binding
• Binding action	• Switching (no dimming)
	• Resetting to the supply state

Engineering and operating notes

Mounting location
- The KRF961 must be plugged into a power outlet
- The permissible environmental conditions must be observed
- Do not modify the device for outdoor use
- The KRF961 must not be exposed to drip water
- For Planning and Mounting Instructions on wireless devices of the Siemens Synco living system, refer to Data Sheet CE1N2708en

Mounting

The KRF961 is suited for use with all types of commercially available power outlets (note type of outlet!).

Commissioning

For commissioning, the KRF961 must be plugged into a power outlet at the location where it is used.

Protection against overheating and overloads

The device is protected against overheating and overloads.
In the case of overheating or overload, the device's output is reduced.
Remedy: Check the connected load and ensure compliance with the technical data specified below.

Maintenance

The KRF961 is maintenance-free.

Disposal

In terms of disposal at the end of the product's service life, the KRF961 is regarded as electronic scrap conforming to the European Directive 2002/96/EC (WEEE) and must not be disposed of together with domestic waste. Disposal must take place through appropriate channels.
Local and currently valid legislation must be observed.

Warranty

Warranty with regard to application-related data is valid only when the KRF961 is used in connection with the Siemens Synco living system.
When used with products of other manufacture, correct operation must be ensured by the user. In that case, Siemens does not provide any service or warranty.

Technical data

Power supply	Operating voltage	AC 230 V (±15%)
	Frequency	50 Hz
	Power consumption (excl. external load)	Max. 1.65 VA
Radio control	Frequency	868 MHz, bidirectional
	Range	Typically 30 m in buildings
	Protocol	KNX RF-compatible KNX
Electrical connections	Power outlet	For connecting appliances with plug type F, E, L, or J
	Plug	For connecting the KRF961 to a power outlet type F, E, L, or J
Types of load	Incandescent lamps (AC 230 V)	20…300 W
	Halogen lamps (AC 230 V)	20…300 W
	Low-voltage halogen lamps via ferromagnetic transformer (DC 12 V / 24 V)	20…200 VA
	Low-voltage halogen lamps via electrical transformer (DC 12 V / 24 V)	20…200 VA

Standards	CE conformity as per	
	EMC directive	2004/108/EC
	- Immunity, Emissions	- EN 60669-2-1, EN 50428
	Low-voltage directive	2006/95/EC
	- Electrical safety	- EN 60669-1, EN 60669-2-1, EN 50428
	RTTE (Radio & Telecom. Equipment)	1999/5/EC
	- RF communication	- EN 300 220-2, EN 301 489-1
		- EN 301 489-3
Environmental compatibility	Environmental Product Declaration CM1E2719en contains data on environment-friendly product design and assessment (RoHS conformity, substances used, packaging, environmental benefits and disposal)	ISO 14001 (environment) ISO 9001 (quality) SN 36350 (environment-compatible products) RL 2002/95/EG (RoHS)

Degree of protection	Housing	IP30
Dimensions		Refer to "Dimensions"
Weight	KRF961 complete with enclosure	0.172 kg
Material of housing		Plastic PC+ABS
Housing color		RAL 9010
Environmental conditions	Operating temperature	0…45 °C
	Storage temperature	-20…70 °C

Dimensions

Dimensions in mm

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