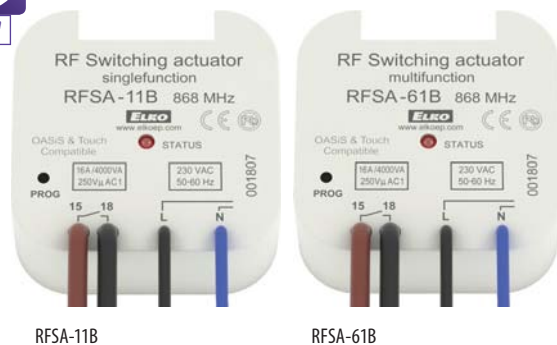




RFSA-11B

RFSA-61B

- The switching unit with 1 output channel is used to control appliances, lights (easy to integrate it to control garage doors or gates).
- It can be combined with Control or System units iNELS RF Control.
- The BOX design lets you mount it right in an installation box, a ceiling or controlled appliance cover.
- It enables connection of the switched load up to 16A (4.000 W).
- **RFSA-11B**: single-function design - switch on / off
- **RFSA-61B**: multi-function design – button, impulse relay and time function of delayed ON or OFF with time setting of 2s-60 min.
- The switching unit may be controlled by up to 32 channels (1 channel represents 1 button on the controller).
- The programming button on the unit is also used for manual control of the output.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20.
- Communication frequency with bidirectional protocol iNELS RF Control.

Technical parameters

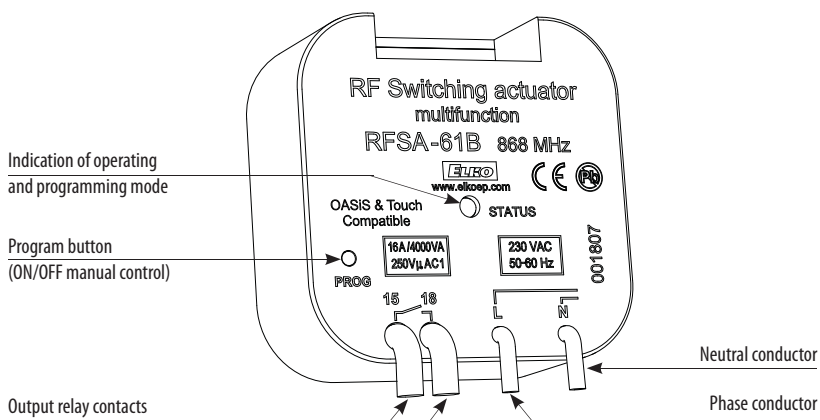
Supply voltage:	230 V AC / 50-60 Hz	120 V AC / 60Hz	12-24V AC/DC 50-60Hz
Apparent input:	7 VA / cos φ = 0.1	7 VA / cos φ = 0.1	-
Dissipated power:	0.7 W	0.7 W	0.7 W
Supply voltage tolerance:	+10 %; -15 %		
Output			
Number of contacts:	1x switching (AgSnO ₂)		
Rated current:	16 A / AC1		
Switching power:	4000 VA / AC1, 384 W / DC		
Peak current:	30 A / <3 s		
Switching voltage:	250 V AC1 / 24 V DC		
Max. DC switching power:	500 mW		
Mechanical service life:	3x10 ⁷		
Electrical service life (AC1):	0.7x10 ⁵		
Control			
RF, by command from transmitter:	868 MHz, 915 MHz, 916 MHz		
Manual control:	PROG (ON/OFF) button		
Range in free space:	up to 200 m		
Other data			
Operating temperature:	-15 to + 50 °C		
Operating position:	any *		
Mounting:	free at lead-in wires		
Protection:	IP 30		
Overvoltage category:	III.		
Contamination degree:	2		
Terminals (CY wire, cross-section):	2x 0.75 mm ² , 2x 2.5 mm ²		
Length of terminals:	90 mm		
Dimensions:	49 x 49 x 21 mm		
Weight:	46 g		
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)		

* For more information, see p. 56.

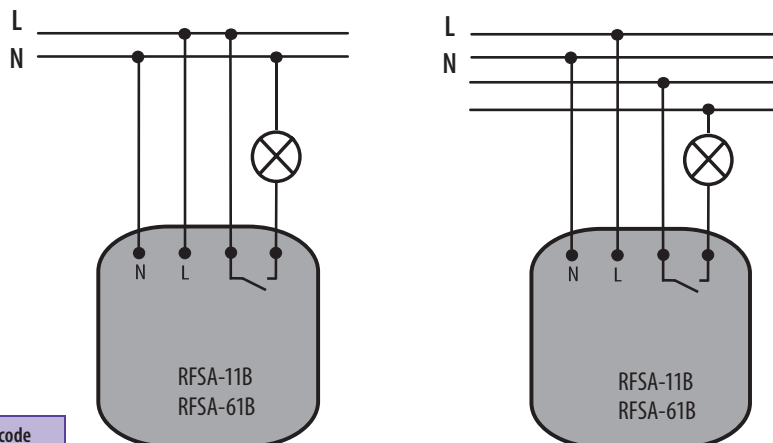
Function

For more information, see p. 54.

Device description



Wiring



RFSA-11B	voltage	frequency	EAN code	RFSA-61B	voltage	frequency	EAN code
	230V AC	868.5 MHz	8595188136839		230V AC	868.5 MHz	8595188136242
	230V AC	868.1 MHz	8595188143998		230V AC	868.1 MHz	8595188146760
	12-24V AC/DC	868.5 MHz	8595188151399		12-24V AC/DC	868.5 MHz	8595188151467
	12-24V AC/DC	868.1 MHz	8595188151405		12-24V AC/DC	868.1 MHz	8595188151474
	230V AC	915 MHz	8595188151412		230V AC	915 MHz	8595188151481
	230V AC	916 MHz	8595188147583		230V AC	916 MHz	8595188147590
	120V AC	915 MHz	8595188143028		120V AC	915 MHz	8595188143035
	120V AC	916 MHz	8595188151436		120V AC	916 MHz	8595188151504
	12-24V AC/DC	915 MHz	8595188151443		12-24V AC/DC	915 MHz	8595188151511
	12-24V AC/DC	916 MHz	8595188151450		12-24V AC/DC	916 MHz	8595188151528

Single function RFSA-11B, RFSC-11, RFUS-11

Function button ON/OFF



The output contact closes by pressing one button position, and opens by pressing the other button position.

Multi function RFSA-61B, RFSA-62B, RFSA-61M, RFSA-66M, RFSAI-61B, RFSC-61, RFUS-61

Function 1 - button



The output contact will be closed by pressing the button and opened by releasing the button.

Function 2 - switch on



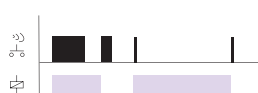
The output contact will be closed by pressing the button.

Function 3 - switch off



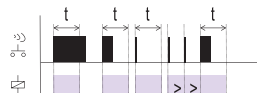
The output contact will be opened by pressing the button.

Function 4 - impulse relay



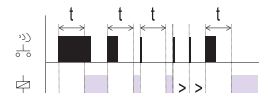
The output contact will be switched to the opposite position by each press of the button. If the contact was closed, it will be opened and vice versa.

Function 5 - delayed off



The output contact will be closed by pressing the button and opened after the set time interval has elapsed.
t = 2s...60min.

Function 6 - delayed on



The output contact will be opened by pressing the button and closed after the set time interval has elapsed.
t = 2s...60min.

Loadability products

RFJA-12B; RFSA-62B; RFSA-66M; RFSTI-11/G; RFGSM-220M

Load type	$\cos \varphi \geq 0.95$ AC1	M AC2	M AC3	AC5a without compensation	AC5a with compensation	HAL 230V AC5b	AC6a	AC7b	AC12
Contact material AgSnO ₂ Contact 8A	250V / 8A	250V / 5A	250V / 4A	x	x	250W	250V / 4A	250V / 1A	250V / 1A
Load type	AC13	AC14	AC15	DC1	M DC3	M DC5	DC12	DC13	DC14
Contact material AgSnO ₂ Contact 8A	x	250V / 4A	250V / 3A	30V / 8A	24V / 3A	30V / 2A	30V / 8A	30V / 2A	x

RFUS-11; RFUS-61

Load type	$\cos \varphi \geq 0.95$ AC1	M AC2	M AC3	AC5a without compensation	AC5a with compensation	HAL 230V AC5b	AC6a	AC7b	AC12
Contact material AgSnO ₂ Contact 14A	250V / 14A	250V / 5A	250V / 3A	230V / 3A (690VA)	230V / 3A (690VA) up to max input C=14uF	1000W	x	250V / 3A	x
Load type	AC13	AC14	AC15	DC1	M DC3	M DC5	DC12	DC13	DC14
Contact material AgSnO ₂ Contact 14A	x	250V / 6A	250V / 6A	24V / 10A	24V / 3A	24V / 2A	24V / 6A	24V / 2A	x

RFSA-11B; RFSA-61B; RFSA-61M; RFSTI-11B; RFDAC-71B, RFSC-11, RFSC-61, RFSAI-61B

Load type	$\cos \varphi \geq 0.95$ AC1	M AC2	M AC3	AC5a without compensation	AC5a with compensation	HAL 230V AC5b	AC6a	AC7b	AC12
Contact material AgSnO ₂ Contact 16A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	230V / 3A (690VA) up to max input C=14uF	1000W	x	250V / 3A	250V / 10A
Load type	AC13	AC14	AC15	DC1	M DC3	M DC5	DC12	DC13	DC14
Contact material AgSnO ₂ Contact 16A	x	250V / 6A	250V / 6A	24V / 10A	24V / 3A	24V / 2A	24V / 6A	24V / 2A	x