



RFSA-61M
1 output

RFSA-66M
6 outputs

Technical parameters	RFSA-61M/230 V	RFSA-66M/230 V	RFSA-66M/24 V
Supply voltage:	110-230 V AC	110-230 V AC	12-24V AC/DC SELV
Supply voltage frequency:	50-60 Hz	50-60 Hz	
Apparent input:	2.7 VA / $\cos \varphi = 0.6$	min. 2 VA / max. 5 VA	-
Dissipated power:	1.62 W	min. 0.5W / max. 2.5W	max. 1.8 W
Supply voltage tolerance:	+10% / -25 %		

Output

Number of contacts:	1x changeover (AgSnO ₂)	3x changeover (AgSnO ₂); 3x switching (AgSnO ₂)
Rated current:	16 A / AC1	8 A / AC1
Switching power:	4000 VA / AC1, 384 W / DC	2000 VA / AC1
Peak current:	30 A / <3 s	10 A / <3 s
Switching voltage:	250 V AC1 / 24 V DC	250 V AC1
Max. DC switching power:	500 mW	500 mW
Mechanical service life:	3x10 ⁷	1x10 ⁷
Electrical service life (AC1):	0.7x10 ⁵	1x10 ⁵

Control

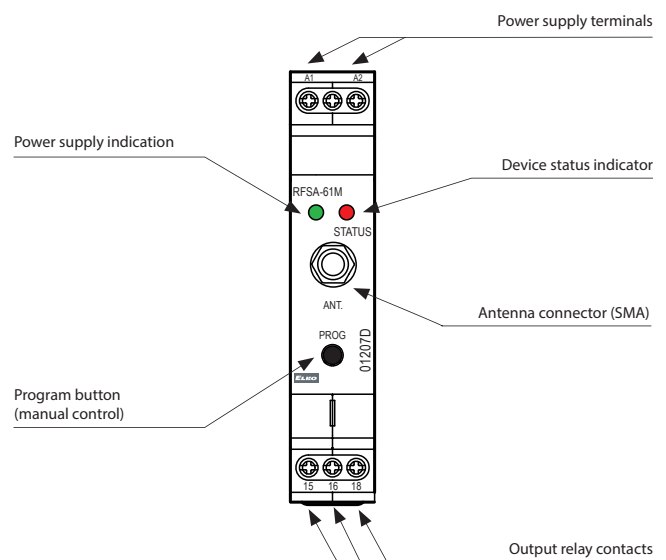
Wireless:	up to 25 channels (buttons)
Communication protocol:	RFIO2
Frequency:	866-922 MHz (for more information see p. 80)
Repeater function:	yes
Manual control:	PROG (ON/OFF) button
Range:	in open space up to 200 m
IR Antenna:	AN-I included (SMA connector*)

Other data

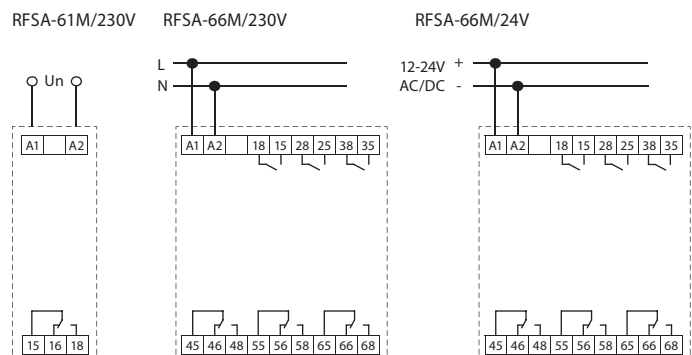
Operating temperature:	-15 °C to + 50 °C
Operating position:	any
Mounting:	DIN rail EN 60715
Protection:	IP20 from the front panel
Overvoltage category:	III.
Contamination degree:	2
Connecting conductor cross-section (mm ²):	max. 1x 2.5, max. 2x 1.5 / with a hollow max. 1x 2.5
Dimensions:	90 x 17.6 x 64 mm 90 x 52 x 65 mm
Weight:	74 g 264 g
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)

- **RFSA-61M:** the switching unit with 1 output channel 16 A is used for controlling appliances, sockets or lights.
 - the one-module design of the unit into a switchboard.
 - the switching unit may be controlled by up to 25 channels.
- **RFSA-66M:** the switching unit with 6 output channels 8 A is used for independent control of up to 6 appliances, sockets or lights.
 - the three-module design of the unit into a switchboard).
 - each of the channels may be controlled by up to 25 channels.
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- Function: button, impulse relay and time function of delayed start or return with time setting range of 2 s - 60 min. Function description can be found on page 78.
- The programming button on the unit is also used for manual control of the output.
- The package includes an internal antenna AN-I, in case of locating the element in a metal switchboard, you can use the external antenna AN-E for better signal reception.
- Memory status can be pre-set in the event of a power failure.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO2 that support this feature.
- Communication frequency with bidirectional protocol RFIO2.

Device description



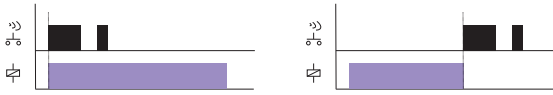
Connection



* Max Tightening Torque for antenna connector is 0.56 Nm.

Single function - RFSA-11B

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, RFSAI-62B, 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



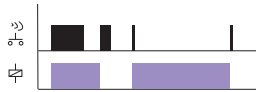
The output contact will be closed by pressing the button.

Function 3 - switch off



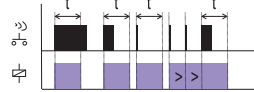
The output contact will be opened by pressing the button.

Function 4 - impulse relay



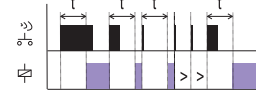
The output contact will be switched to the opposite position by each press of the button. If the contact was closed, it will be opened and vice versa.

Function 5 - delayed off



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

Function 6 - delayed on



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

Loadability products

RFJA-32B; RFSA-62B; RFSAI-62B; RFSA-66M

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

RFUS-61

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO ₂ , Contact 14 A	AC1	AC2	AC3	AC5a without compensation 230 V / 3 A (690 VA)	AC5a with compensation 230 V / 3 A (690 VA) up to max input C=14uF	AC5b	AC6a	AC7b	AC12
	250 V / 12 A	250 V / 5 A	250 V / 3 A	230 V / 3 A (690 VA)	230 V / 3 A (690 VA) up to max input C=14uF	1000 W	x	250 V / 3 A	x
Load type									
Contact material AgSnO ₂ , Contact 14 A	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
	x	250 V / 6 A	250 V / 6 A	24 V / 10 A	24 V / 3 A	24 V / 2 A	24 V / 6 A	24 V / 2 A	x

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

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