RFSA-166M | Switch unit for fancoil, 6-channels

EAN code:
RFSA-166M: 8595188134323

Technical parameters	RFSA-166M/230V
Supply voltage:	110–230 V AC
Supply voltage frequency:	50–60 Hz
Apparent input:	min. 2 VA/max. 5 VA
Dissipated power:	min. 0.5W/max. 2.5W
Supply voltage tolerance:	+10%/-25 %
Output	
Number of contacts:	3x changeover ($AgSnO_2$); 3x switching ($AgSnO_2$)
Rated current:	8 A/AC1
Switching power:	2000 VA/AC1
Peak current:	10 A/<3 s
Switching voltage:	250 V AC1
Max. DC switching power:	500 mW
Mechanical service life:	$1x10^7$
Electrical service life (AC1):	$1x10^5$
Control	
Wireless:	on output RE6 up to 25-channels/buttons
Communication protocol:	RFIO2
Frequency:	866–922 MHz (for more information see p.72)
Repeater button:	yes
Manual control:	MAN button
Range:	in open space up to 100 m
Wireless 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 52 x 65 mm
Weight:	264 g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

* Max Tightening Torque for antenna connector is 0.56 Nm.

- Thanks to the 6-channels design of the switching component it can control the heating/cooling mode and with 3 speeds, the AUX output channel can be used to control appliances, sockets or lights.
- The RFSA-166M wireless switching component can be combined with the RFTC-150/G.
- Up to 25 detectors RFWD-100 can be assigned to the switching component.
- The RFWD-100 can be assigned to the RFSA-166M using the PRG button.
- Output Channel AUX:
  - up to 25-channels can be controlled,
  - can be combined with detectors, controllers or system components of iNELS Wireless Control,
  - function: button, pulse relay and delayed start or return time functions with 2 s – 60 min time setting. Function description can be found on page 70,
  - memory status is retained in the event of a power failure,
  - the AUX programming button on the component also serves as manual control of the AUX 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, see accessories on page 65.
- Range up to 100 m (in open space), if the signal is insufficient, use the signal repeater RFRP-20N or protocol component RFIO2 that support this feature.

Connection for fancoil control