



Switching and control relays RSW 1 RSS U1

SPECIAL FEATURES:

- Low power loss
- High switching capacity
- 3 operating voltage ranges
- Extremely low-noise switching

GENERAL:

The RSW 1 and RSS U1 monostable switching relays were developed for general control system applications.

With a switching capacity of 16A at 250V, the relays are also suitable for high currents.

The RSW 1 has a potential-free changeover contact (8mm creepage distance and clearance), while the RSS U1 has a potential-free normally open contact (6mm creepage distance and clearance)

APPLICATION:

Home automation, industrial control systems etc.

OPERATION:

The RSW 1 monostable switching relay is designed for triggering as normal via terminals A1 and A2. An LED signals the switch output state (RSW 1 only).

ORDERING INFORMATION:

Part No.	Type	Description
Rail mounting:		
rsw102	RSW 1	Switching relay 12V UC 16A
rsw104	RSW 1	Switching relay 24V UC 16A
rsw109	RSW 1	Switching relay 230V AC 16A
Flush mounting:		
rssu12	RSS U1	Switching relay 12V UC 16A
rssu14	RSS U1	Switching relay 24V UC 16A
rssu19	RSS U1	Switching relay 230V AC 16A

TECHNICAL DATA:

Control input

Operating voltage:
 12V UC ± 10%
 24V UC ± 10%
 230V AC ± 10%

Current consumption:
 45mA
 25mA
 25mA (5.8VA / 0.6W)

Relay output RSW 1

1 changeover contact, potential-free

Relay output RSS U1

1 normally open contact, potential-free

Switching voltage
 Continuous current
 Switching capacity AC
 Incandescent lamp load
 Switching capacity DC
 Electrical service life
 Ambient temperature
 Creepage/clearance

250V AC
 16A
 3500VA
 1000W
 350W
 1 x 10⁵ switching cycles
 -10°C to +45°C
 compliant VDE 0110
 gr. C/250V

Insulated housing

flameproof to VDE 0304 part 3, level FV 0
 freely selectable
 grey 7035 / green 6029

Installation position
 Colour (RAL)

RSW 1 only:

Connections

socket terminals with captive screws M3.5 (4x1.5 / 2x2.5 / 1x4mm²)
 External dimensions
 Installation depth
 Weight
 18x88(45)x58mm
 55mm
 approx 75g

RSS U1 only:

Connections

socket terminals with captive screws M3.5 (2x1.5 / 1x2.5mm²)
 External dimensions
 Weight
 43x43x18.5mm
 approx. 40g