



## Switching and control relay

**RSW 1** (Rail-mounting version)

**RSW U1** (Flush-mounting version)

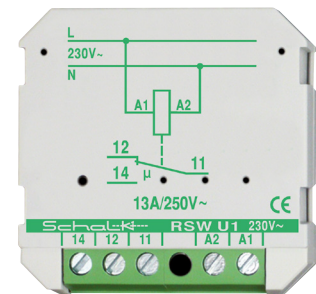
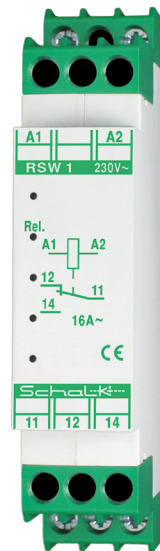
Switching and control relay with one relay output for high switching currents and switching status indication via LED.

### Special features

- Low power dissipation
- High switching capacity
- 3 operating voltage ranges
- Very low noise switching

### General information

The monostable switching relays RSW 1 and RSW U1 were developed for general control technology. With a switching capacity of 16A at RSW 1 and 13A at RSW U1, the relays can also withstand high currents. Both relays have a potential-free changeover contact (8mm creepage and clearance distance).



### Applications

Automation, building services, industrial control technology, etc.

### Operation

The monostable RSW 1 switching relay must be controlled via terminals A1 and A2 as usual. An LED signals the switching status (RSW 1 only).

## Common technical data

<b>Power consumption:</b>	12V UC / 45mA 24VUC / 25mA 230V AC / 25mA (5.8VA/0.6W)
<b>Relay output</b>	1 CO potential-free
<b>max. switching voltage</b>	250V AC
<b>Electrical service life</b>	1 x 10 <sup>5</sup> cycles
<b>Contact rating</b>	siehe Datenblatt „Belastbarkeit der Relaiskontakte“
<b>Ambient temperature</b>	-10°C to +45°C
<b>Mounting orientation</b>	arbitrarily
<b>RAL colour</b>	grey 7035 / green 6029

## Technical data RSW 1

<b>Max. continuous current</b>	16A
<b>Connection terminals</b>	Socket terminals with captive screws M3.5
<b>Clamping range</b>	0.5 mm <sup>2</sup> - 4.0 mm <sup>2</sup>
<b>Strip length</b>	6.0 mm - 6.5 mm
<b>Screwing torque</b>	0.80 Nm
<b>External dimensions</b>	18 x 88 (45) x 58 mm
<b>Weight</b>	approx. 75 g

## Technical data RSW U1

<b>Max. continuous current</b>	13A
<b>Connection terminals</b>	Socket terminals with captive screws M3
<b>Clamping range</b>	0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup>
<b>Strip length</b>	6.5 mm - 7.0 mm
<b>Screwing torque</b>	0.50 Nm
<b>Relay output</b>	1 CO potential-free
<b>Mounting orientation</b>	arbitrarily
<b>External dimensions</b>	43 x 43 x 18,5 mm
<b>Weight</b>	approx. 40 g

## Order data

Item no.	EAN	Type	Designation
RSW102	4 046929 601122	RSW 1 (12V UC)	Switching and control relay 12V UC, 1 CO 16A
RSW104	4 046929 601139	RSW 1 (24V UC)	Switching and control relay 24V UC, 1 CO 16A
RSW109	4 046929 601146	RSW 1 (230V AC)	Switching and control relay 230V UC, 1 CO 16A
RSWU12	4 046929 601207	RSW U1 (12V UC)	Switching and control relay 12V UC, 1 CO 13A (FMD)
RSWU14	4 046929 601214	RSW U1 (24V UC)	Switching and control relay 24V UC, 1 CO 13A (FMD)
RSWU19	4 046929 601221	RSW U1 (230V AC)	Switching and control relay 230V AC, 1 CO 13A (FMD)