

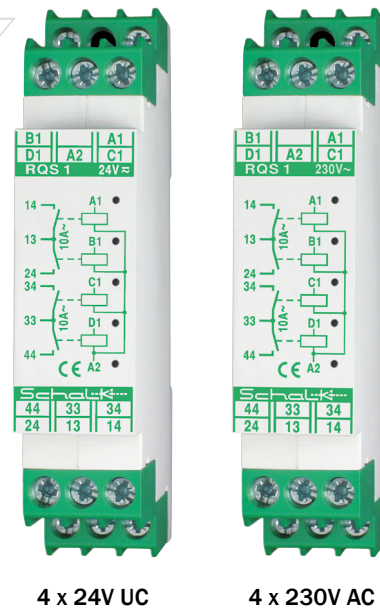


Quadruple relay RQS 1

Switching and control relay with 4 potential-free, monostable relay outputs within one module width, and switching status indication via LED.

Special features

- 4 relays in one module width
- Low power dissipation
- also available in 230 V AC
- Switching status display via LED
- Very low noise switching



4 x 24V UC

4 x 230V AC

General information

The monostable quadruple relay RQS 1 was developed for general control technology. The creepage and clearance distance between control inputs and NO contacts is 8 mm (max. voltage difference 400 V AC). The creepage and clearance distance between the NO contacts is 3 mm (max. voltage difference 230 V AC).

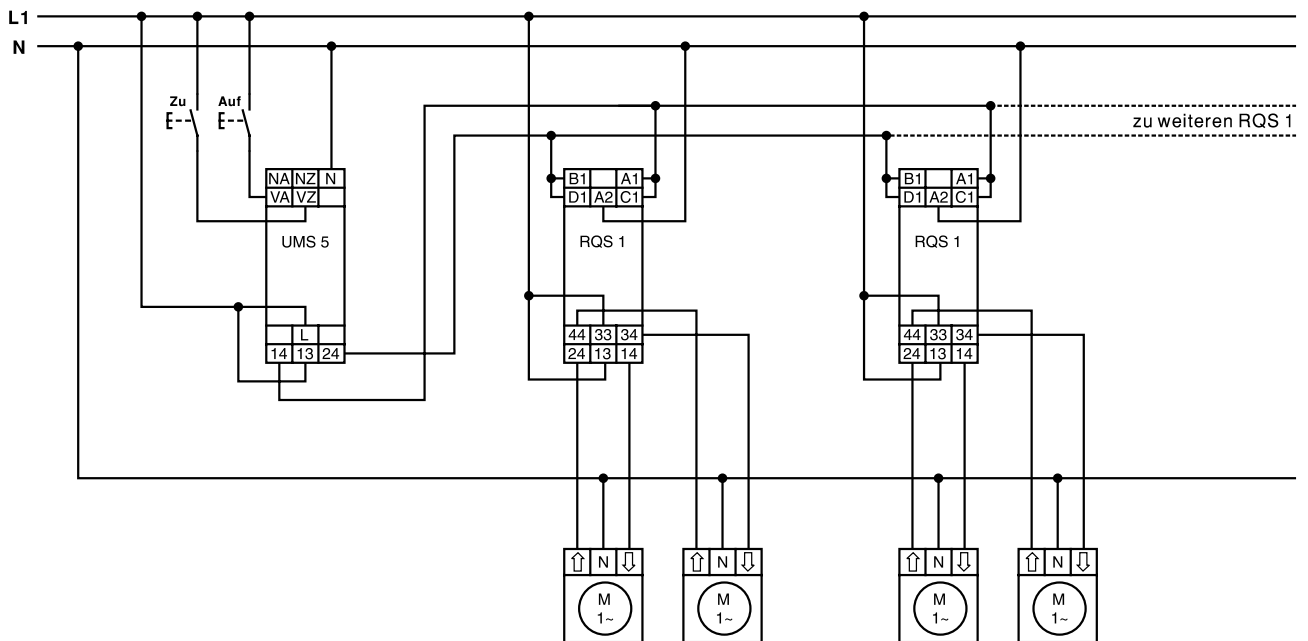
Applications

Expansion relays for roller shutter controls, building services, industrial control technology and many more.

Operation

The monostable relays are controlled via terminals A1, B1, C1 or D1.. The common connection is terminal A2. On the output side, 4 NO contacts (14, 24, 34, 44) with two common connections (13, 33) are available (2 switching groups with 2 NO contacts each). 4 LEDs indicate the switching status.

Connection example RQS 1 - Parallel operation of AC motors



Common technical data

max. voltage between contact and control input	400 V AC
Relay output	4 normally open contacts
Switching voltage	max. 250 V AC
Continuous current	max. 10 A
Switch rating AC	max. 2500 VA
Glow lamp load	max. 600 W
Switch rating DC	max. 300 W
Electrical service life	1 x 10 ⁵ cycles
Parallel compensation for fluorescent lamps	not allowed
Ambient temperature	-10°C to +45°C
Connection terminals	Socket terminals with captive screws M3.5
Clamping range	0.5 mm ² - 4.0 mm ²
Strip length	6.0 mm - 6.5 mm
Screwing torque	0.80 Nm
Mounting orientation	arbitrarily
Mounting	Click-mount on standard 35-mm rail (EN 60715)
External dimensions	18 x 88(45) x 58 mm ³
Installation depth	55 mm
Weight	approx. 100 g
RAL colour	grey 7035

Technical data RQS 1 (230V AC)

Supply voltage	230V~ 10%
Current consumption per relay	9 mA
Power loss per relay	0.4 W
Line capacity	approx. 15 nF

Technical data RQS 1 (24V UC)

Supply voltage	24V 20%
Current consumption per relay	10 mA
Power loss per relay	0.25 W
Line capacity	approx. 100 nF

Order data

Item no.	EAN	Type	Designation
RQS104	4 046929 601078	RQS 1 (24V UC)	Quadruple relay 4x24V UC, 4 NO 10A
RQS109	4 046929 601085	RQS 1 (230V AC)	Quadruple relay 4x230V AC, 4 NO 10A