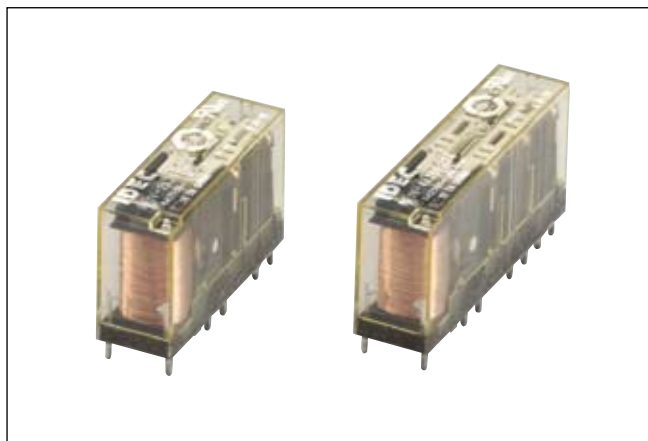


RF1V Force Guided Relays / SF1V Relay Sockets

Compact and EN compliant RF1V force guided relays.

- Force guided contact mechanism (EN50205 Type A TÜV approved)
- Contact configuration
 - 4-pole (2NO-2NC, 3NO-1NC)
 - 6-pole (4NO-2NC, 5NO-1NC, 3NO-3NC)
- Built-in LED indicator available.
- Fast response time (8 ms maximum).
- High shock resistance (200 m/s² minimum)
- Finger-safe DIN rail mount socket and PC board mount socket.

Applicable Standard	Marking	Certification Organization / File No.
UL508 CSA C22.2 No.14		UL/c-UL File No. E55996
EN50205 EN61810-1		TÜV SÜD



Types

• Force Guided Relays

Contact		Rated Coil Voltage	Without LED Indicator Ordering Type No.	With LED Indicator Ordering Type No.
4-pole	2NO-2NC	12V DC	RF1V-2A2B-D12	RF1V-2A2BL-D12
		24V DC	RF1V-2A2B-D24	RF1V-2A2BL-D24
		48V DC	RF1V-2A2B-D48	RF1V-2A2BL-D48
	3NO-1NC	12V DC	RF1V-3A1B-D12	RF1V-3A1BL-D12
		24V DC	RF1V-3A1B-D24	RF1V-3A1BL-D24
		48V DC	RF1V-3A1B-D48	RF1V-3A1BL-D48
6-pole	4NO-2NC	12V DC	RF1V-4A2B-D12	RF1V-4A2BL-D12
		24V DC	RF1V-4A2B-D24	RF1V-4A2BL-D24
		48V DC	RF1V-4A2B-D48	RF1V-4A2BL-D48
	5NO-1NC	12V DC	RF1V-5A1B-D12	RF1V-5A1BL-D12
		24V DC	RF1V-5A1B-D24	RF1V-5A1BL-D24
		48V DC	RF1V-5A1B-D48	RF1V-5A1BL-D48
	3NO-3NC	12V DC	RF1V-3A3B-D12	RF1V-3A3BL-D12
		24V DC	RF1V-3A3B-D24	RF1V-3A3BL-D24
		48V DC	RF1V-3A3B-D48	RF1V-3A3BL-D48

• Sockets

Types	No. of Poles	Ordering Type No.
DIN Rail Mount Sockets	4	SF1V-4-07L
	6	SF1V-6-07L
PC Board Mount Sockets	4	SF1V-4-61
	6	SF1V-6-61

Certification for Sockets

Applicable Standard	Marking	Certification Organization / File No.
UL508 CSA C22.2 No.14		UL/c-UL File No. E62437
EN147000 EN147100		TÜV SÜD
		EC Low Voltage Directive (DIN rail mount sockets only)

Coil Ratings

Contact		Rated Coil Voltage (V)	Rated Current (mA) ±10% (at 20°C) (Note 1)	Coil Resistance (Ω) ±10% (at 20°C)	Operating Characteristics (at 20°C)			Power Consumption
					Pickup Voltage	Dropout Voltage	Maximum Continuous Applied Voltage (Note 2)	
4-pole	2NO-2NC	12V DC	30	400	75% maximum	10% minimum	110%	Approx. 0.36W
		24V DC	15	1600				
		48V DC	7.5	6400				
	3NO-1NC	12V DC	30	400				
		24V DC	15	1600				
		48V DC	7.5	6400				
6-pole	4NO-2NC	12V DC	41.7	288				Approx. 0.5W
		24V DC	20.8	1152				
		48V DC	10.4	4608				
	5NO-1NC	12V DC	41.7	288				
		24V DC	20.8	1152				
		48V DC	10.4	4608				
	3NO-3NC	12V DC	41.7	288				
		24V DC	20.8	1152				
		48V DC	10.4	4608				

Note 1: For relays with LED indicator, the rated current increases by approx. 2 mA.

Note 2: Maximum continuous applied voltage is the maximum voltage that can be applied to relay coils.

