

**FRS4**



- Miniature light weight relay
- Low coil power consumption
- Switching capacity from 5A to 15A
- Dust cover or sealed type

**Technical data**

**Characteristics**

- Contact Arrangement: SPST (1 Form A or 1 Form B)  
SPDT (1 Form C)
- Contact Material: Silver Alloy
- Contact Resistance: 50mΩ Max.
- Contact Rating (Resistive Load):
  - 5A 28VDC/125VAC
  - 10A 28VDC/125VAC
  - 15A 28VDC/125VAC
- Switching Voltage: DC 110V Max. AC 380V Max.
- Operate Time (Initial): 12 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 100MΩ Min. (500V DC)
- Dielectric Strength:
  - 1000V AC (50 Hz/min.) between open contacts
  - 1500V AC (50 Hz/min.) between coil and contact
- Shock Resistance: 10g Approx.
- Vibration Resistance: 1.5mm Double Amplitude, 55Hz
- Ambient Temperature: -40 °C to +70 °C
- Humidity: 45 - 85% RH
- Operation Life:
  - Mechanical: 10<sup>7</sup>
  - Electrical: 10<sup>6</sup> (At rated load)
- Weight: 15g Approx.

**Coil rating**

Rated Voltage (VDC)	Coil Resistance Ω +/- 10%	Rated Current (mA)	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)
			% of rated voltage (at +20 °C)			
5A 10A	3	120	75 Max.	10 Min.	130 Max.	0.36 Approx.
	6	60				
	9	40				
	12	30				
	24	15				
15A	3	150	75 Max.	10 Min.	130 Max.	0.45 Approx.
	6	75				
	9	50				
	12	42				
	24	20				

**Ordering Information**

<b>FRS4</b>	<b>C</b>	<b>-</b>	<b>S</b>	<b>15</b>	<b>DC 12V</b>	
						Rated voltage
						Contact capacity: 05 - 5A 10 - 10A 15 - 15A
						NIL: Dust cover S: Sealed type
						Contact arrangement: A: 1 Form A B: 1 Form B C: 1 Form C
						Relay model

**DIMENSIONS (mm)**

