

FRS7



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

Recognized File No.: E 141516

Recognized File No.: R9857416

Technical data

Characteristics

- Contact Arrangement: SPST (1 Form A), SPST (1 Form B) SPDT (1 Form C)
- Contact Material: Silver Alloy
- Contact Resistance: 100mΩ Max.
- Contact Rating (Resistive Load):
 - 5A 28VDC/125VAC - UL and cUL approved
 - 10A 28VDC/125VAC - UL and cUL approved
 - 10A/240VAC (N.O.) 8A/240VAC (N.C.) - TUV approved
 - 15A 28VDC/125VAC
- Switching Voltage: DC 125V Max. AC 250V Max.
- Operate Time (Initial): 10 ms Max.
- Release Time (Initial): 5 ms Max.
- Insulation Resistance: 100MΩ Min. (500V DC)
- Dielectric Strength:
 - 750V 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, 10-55Hz
- Ambient Temperature: -40 °C to +85 °C
- Humidity: 45 - 85% RH
- Operation Life:
 - Mechanical: 10⁷
 - Electrical: 10⁶ (At rated load)
- Weight: 13g 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	25	75 Max.	10 Min.	130 Max.	0.36 Approx.
	6	100				
	9	225				
	12	400				
	24	1600				
15A	3	20	75 Max.	10 Min.	130 Max.	0.45 Approx.
	6	80				
	9	180				
	12	320				
	24	1280				

Ordering information

FRS7 C - S 15 DC 12V

Rated voltage

Contact capacity:

5 : 5A

10 : 10A

15 : 15A

NIL: Dust cover

S : Sealed type

Contact arrangement:

A: 1 Form A

C: 1 Form C

Relay model

DIMENSIONS (mm)

