7RS5

Features

Subminiature light weight relay High sensitivity Switching capacity up to 16Amp PCB mounting, DIL pitch terminal Dust cover or wash tight type



call us: E141516 (*Note: All approvals for 16A only)

A : R2034463

Ordering information

FRS5 H C - S 10 DC12V - 1 7

1 Relay model

2 Power consumption: NIL: 0.45W; H: 0.2W (for "1 Form A" only)

3 Contact arrangement: A: 1 Form A (NO); C: 1 Form C (NO/NC)

4 Construction: NIL: Dust cover; S: Wash tight type

5 Contact rating: 10: 10Amp;

16: 16Amp (all approvals for 16Amp only)

6 Rated voltage 7 TÜV approved

Note: RoHS : RoHS compliant relay; RoHS- I: AgNi contact;

RoHS- I: AgNi contact; RoHS-N: AgSnO₂ contact

Coil rating

Rated voltage	Coil resistance Ω+/-10%		Rated current (mA)		Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)	Operate time	Release time
(V)	FRS5H	FRS5	FRS5H	FRS5	% of rate	ed voltage (a	t +20°C)	Approx.	(ms)	(ms)
5 6 9 12 24 48 110	125 180 405 720 2880 –	55.5 80 180 320 1280 3840 12100	40 33 22 16 8 -	90 75 50 37.5 18.8 12.5 9.1	80 Max.	5 Min.	130 Max.	FRS5H: 0.2 (1 Form A only) FRS5: 0.45 0.6 (for 48VDC) 1.0 (for 110VDC)	<8	<5

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Characteristics

Contact arrangement	SPST (1 Form A); SPDT (1 Form C)					
Contact material	Sliver alloy					
Contact resistance	50mΩ Max.					
Contact rating (resistive)	For "1 Form A": 0.2W or 0.45W Or "1 Form C": 0.45W "10": 10A/125, 250VAC					
Switching power	4,000VA / 480W Max.					
Switching voltage	AC 380V / DC 110V Max.					
Insulation resistance	100MΩ Min. (500VDC)					
Dielectric strength	750VAC (50Hz/min) Between open contacts 1,500VAC (50Hz/min) Between coil and contact					
Shock resistance	10g Approx.					
Vibration resistance	1.5mm Double amplitude 10-55Hz					
Ambient temperature	-40°C to +85°C					
Operation life Mechanical Electrical	5 x 10° 10°					
Weight	9g Approx.					

⁽Specifications are subject to change without notices.)





