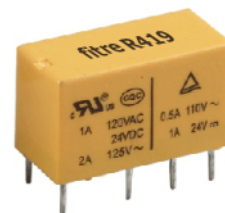


R419 Ultra miniature power relay



FITRE S.p.A. - Componets Division

20142 Milano - Italia - via Valsolda,15
 tel (+39) 02.8959.0214 - fax (+39) 02.8959.0400
 e-mail: fitre.componenti@fitre.it - web site: www.fitrecomponenti.it



Features

- transfer contact configuration
- Small size and light weight for high density PCB mounting

Contact

Arrangement	2c	
Contact material	Silver alloy	
Contact resistance (1A 6VDC)	50m Ω Max.	
Resistance load (cos φ =1)	1A	120VAC
	2A	24VDC
Max.switching voltage	125VAC	
Max.contact current	2A	
Max.switching power	120VA	
Expected life(min.ope)	Mechanical (at 180 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Operate time	7 msec.Max	
Release time	4 msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	1,000VAC (50/60Hz) for 1 min.
	Between open contacts	750VAC (50/60Hz) for 1 min.
	Between contact sets	1,000VAC (50/60Hz) for 1 min.
Insulation resistance	100M Ω Min.(500VDC)	
Ambient temperature	-30°C ~ +75°C	
Temperature rise (Max.)	65°C	
Shock resistance	Functional	50G Min.
	Destructive	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight	Approx. 5.4g	

Ordering information

R419D-2 / 012 Z 1 G H					
1		2		3 4 5 6	
1 Model: R419D-2			5 Contact material: G or Nil = Silver alloy		
2 Coil voltage: see coil parameter			6 Coil power: nil or H = 0,20W;		
3 Contact form: Z = 2C only					
4 Version: 1 = sealed					

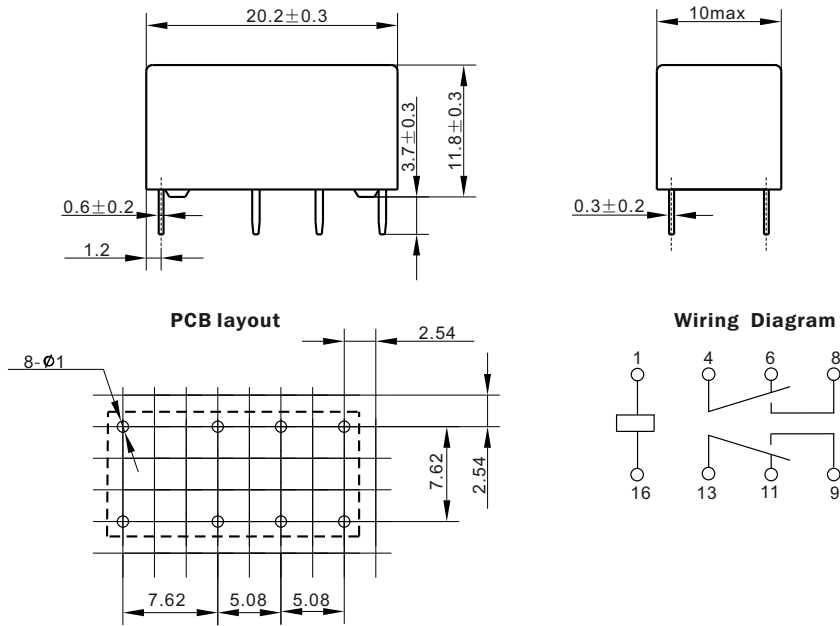
Typical Applications

- Telecommunication equipment - Office equipment - Computer peripherals
- Security alarm system - Medical equipment

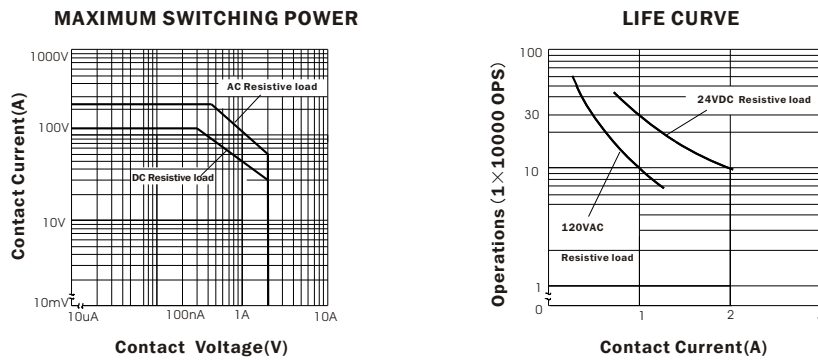
COIL(at 20°C)

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance (Ω ±10%)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	66.6	45	5%Min.	75%Max.	0.20	130% of nominal voltage
05	5	40.0	125				
06	6	33.3	180				
09	9	22.2	405				
12	12	16.6	720				
24	24	8.3	2,880				
48	48	12.0	4,000			0.58	

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)



CHARACTERISTICS CURVE



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