



CRSS

(Dimensions): 19.8X5.08X7.62mm

Features

- 1, Small size,light weight,Low coil power consumption.
- 2, Strong anti-shock and anti-vibration,high reliablility,long life.
- 3, PC board mounting.
- 4, High sensivity.

Ordering information

CRSS--1A--12---D---M

1 2 3 4 5

- 1,Part number: CRSS
- 2, Contact arrangement:A:1A;B:1B
- 3, Coil rated voltage(V):DC:3,5,12,24
- 4, Coil transient suppression: D: with diode;NIL: Standard

Contact data

Contact Arrangement	1A(1H)(SPST NO); 1B(SPST NC)	
Contact Material	Ru/Rh	
Conatct Rating(Resistive)	0.1A/125VAC;0.5A/24VDC	
Max.Switching Power	10W(DC)/10VA(AC)	
Max.Switching Voltage	110VDC Max.Switching Current:0.5A	
Contact Resistance or Voltage Drop	≤150m Ω	
Operation Life	Electrical	10 ⁷
	Mechanical	10 ⁸

Coil Parameter (23°C)

Coil voltage (VDC)		Coil Resistance Ω ±10%	Pick up Voltage VDC(Max) (75% of rated voltage)	Release voltage VDC(Min) (5% of rated voltage)	Coil power consumption (W)	Operate Time (mS)	Release Time (mS)
Rated	Max						
3	3.90	250	2.25	0.3	0.036	≤0.5	≤0.2
5	6.50	500	3.75	0.5	0.050		
12	15.6	1000	9.00	1.2	0.144		
24	31.2	2000	18.0	2.4	0.288		

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

2,Pick up and release voltage are for test purposes only and are not be used as design criteria.

Operation condition		
Insulation Resistance	100M Ω min(at 500VDC)	
Dielectric Strength		
Between Contacts	50Hz 200VAC	
Between Contacts and Coil	50Hz 1400VAC	
Shock Resistance	Functional	20G
	Destruction	100G
Vibration Resistance	10~55Hz Double amplitude 1.5mm	
Terminals Strength	10N	
Solderability	235 \pm 2 $^{\circ}$ C 3 \pm 0.5s $^{\circ}$ C	
Ambient Temperature	-40~85 $^{\circ}$ C	
Storage Temperature	-40~125 $^{\circ}$ C	
Mass	1.6g	

Dimensions(mm/Inch)

CRSS1A05/CRSS1A05D/CRSS1B05/CRSS1B05D CRSS1A05M/CRSSS1A05DM

外形尺寸图
Dimensions

1A 1A-D 1B 1B-D

安装尺寸图 (底视图)
Mounting (Bottom view)

接线图 (底视图)
Wiring diagram (Bottom view)

注: 1) 尺寸以毫米为单位。
NOTES Dimensions are in millimeters.
2) 给出的等量英寸值仅供参考。
Inch equivalents are given for general information only