



UL,C-UL File No.:E179745
 TUV File No.:R99024354
 CQC File No.:CQC02001002126

- High contact capacity : 15A
- Sealed types availabl
- Ultra-miniature size with universal terminal footprint
- Low coil power consumption.
- TV-5 rated types available

SPECIFICATIONS

Contact

Arrangement		1a, 1b, 1c	
Contact material		Silver alloy	
Contact resistive (By voltage drop 1A 6VDC)		50mΩ Max.	
UL/C-UL rating Resistive load (cos ϕ =1)		TV-5	120VAC
		15A	120VAC
		12A	120VAC
		10A	240VAC
		10A	24VDC
		7A	250VAC
Inductive load (cos ϕ =0.75~0.8)		4A	120VAC
TUV rating		10A	240VAC
		10A	24VDC
		7A	240VDC
CQC rating		10A/40A	250VAC
Max.switching voltage		250VAC	24VDC
Max.switching current		15A	
Max.switching power		2,400VA	240W
Exoected life(min.ope)	Mechanical (at 180 cpm)	1X10 ⁷	
	Electrical (at 20 cpm)	1X10 ⁵	

Characteristics

Operate time		15 msec.Max.
Release time		5 msec.Max.
Operating humidity		45~85%RH
Initial breakdown voltage	Between contact and coil	1,500VAC (50/60Hz) for 1 min.
	Between open contacts	1,000VAC (50/60Hz) for 1 min.
Insulation resistance		100MΩ Min.(500VDC)
Ambient temperature		-40℃ ~+85℃
Temperature rise (Max.)		35℃
Shock resistance	Functional	10G Min.
	Destruction	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destruction	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight		Approx. 12g

Coil

Nominal operating power	0.36W, 0.45W
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TYPICAL APPLICATION

1. Domestic appliances.
2. Office machines.
- 3.Audio equipment.
- 4.Coffer - pots.
- 5.Remote control TV receivers.
- 6.Car control unit,etc.

ORDERING INFORMATION

SRU	S	1	12	D	M
Type	Protective construction	Number of pole	Coil type	Coil sensitivity	Contact form
SRU	NIL:Flux type S:Seadled type	1:1 pole	03,05,06,09, 12,18,24,48	D:0.45W L:0.36W	M:1 Form A B:1 Form B Nil:1 Form C

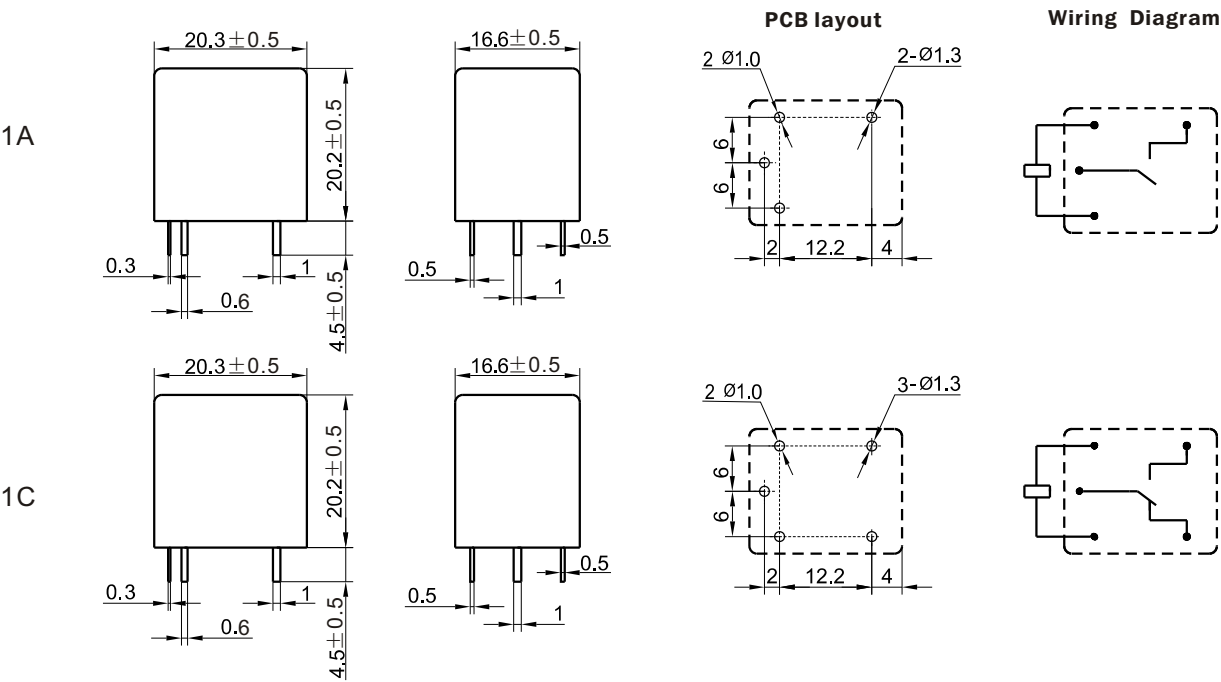
COIL(at 20°C)

SRU

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	150.00	20	5%Min.	75%Max.	0.45	130% of nominal voltage
05	5	90.91	55				
06	6	75.00	80				
09	9	50.00	180				
12	12	37.50	320				
18	18	20.00	720				
24	24	20.87	1,150				
48	48	9.38	5,120				

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	150.00	25	5%Min.	75%Max.	0.36	130% of nominal voltage
05	5	90.91	69				
06	6	75.00	100				
09	9	50.00	225				
12	12	37.50	400				
18	18	20.00	900				
24	24	20.87	1,600				
48	48	9.38	6,400				

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



CHARACTERISTICS CURVE

