

RNC1CO/1CP



Features

- > 5mm thickness, up to 6A breaking capacity.
- > Conformity with RoHS directive.
- > Wide choice of sockets available covering a range of voltages from 3 to 230V.

Ordering Information

RNC ☐ ☐ ☐ ☐

Contact form _____

1A: (NO)
1C: (CO)

Terminal arrangement _____

O: Vertical pin
P: Horizontal pin

Coil voltage code _____

Code	003	005	006	012	018	024
Voltage (V DC)	3	5	6	12	18	24
Code	048	060				
Voltage (V DC)	48	60				

Other options _____

Blank: Conventional
V: Coil consumption 0.21W (only to 3~24VDC)
G: Gold plated contact

Characteristics

Contact	Configuration	1A, 1C
	Load Resistance	6A/250VAC 30VDC
	Switching capacity (resistive)	1500VA 180W
	Initial contact resistance	≤100mΩ (gold plated contact ≤ 30mΩ)
	Material	Ag alloy
	Electrical durability	NO: 6x10 ⁴ ; NC: 3x10 ⁴ times (1800 Ops/h)
	Mechanical durability	≥2 x 10 ⁷ times (18000 Ops/h)
	Pick-up voltage (23°C)	DC: ≤75% (Rated voltage)
	Drop-out voltage (23°C)	DC: ≥5% (Rated voltage)
	Maximum voltage (23°C)	110% (Rated voltage)
	Insulation resistance	≥1000MΩ (500VDC)
Coil operating power	3~24 VDC	approx. 0.17 W
	48~60 VDC	approx. 0.21 W
	Operate time (at nominal voltage)	≤8ms
	Release time (at nominal voltage)	≤4ms
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)
	Between contacts and coil	4000VAC/1min (leakage current 1mA)
	Ambient temperature	-40~+85°C
	Humidity	5%~85%RH
	Air pressure	86~106KPa
	Shock resistance	10G (half-sine shock pulse: 11ms)
	Vibration resistance	10~55Hz double-amplitude: 1.0mm
	Mounting	PCB
	Unit weight	6g

>>> RNC Interface Relay

Coil Specifications (23°C)

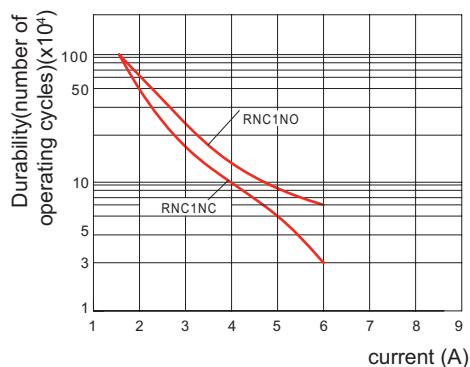
Nominal voltage V.DC (0.17W)	3	5	6	12	18	24
Coil resistance Ω	43	147	212	847	1906	3388
Nominal voltage V.DC (0.21W)	48	60				
Coil resistance Ω	10971	17143				

Remark: Coil resistance under coil voltage 48V are measured with tolerance of $\pm 10\%\Omega$, above coil voltage 48V are measured with tolerance of $\pm 15\%\Omega$.

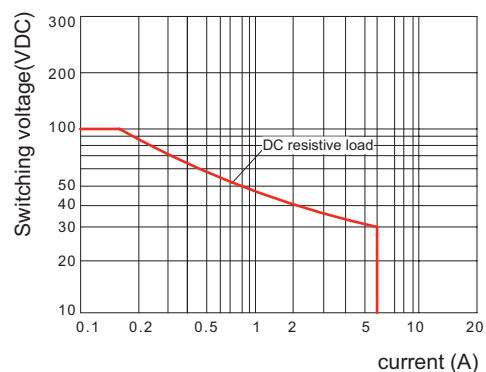
Contact Specification

RNC1A, 1C

Electrical durability contacts

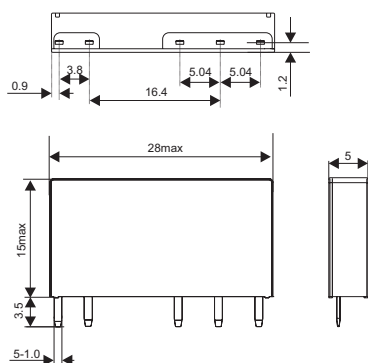


Maximum switching capacity

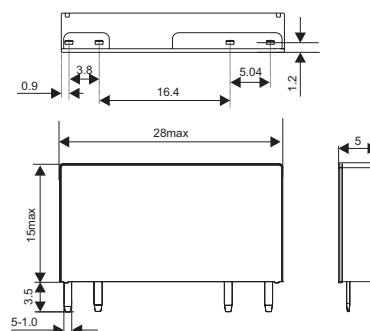


Dimensions (mm)

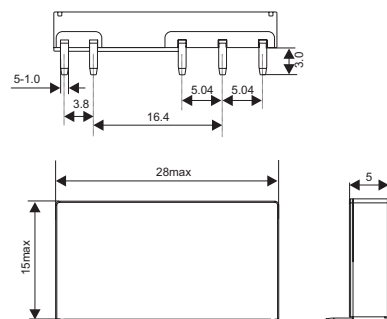
1CO



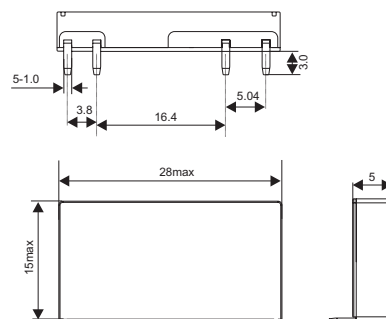
1AO



1CP



1AP



Wiring Diagrams

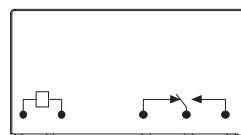
1CO Bottom view



1AO Bottom view



1CP



1AP

