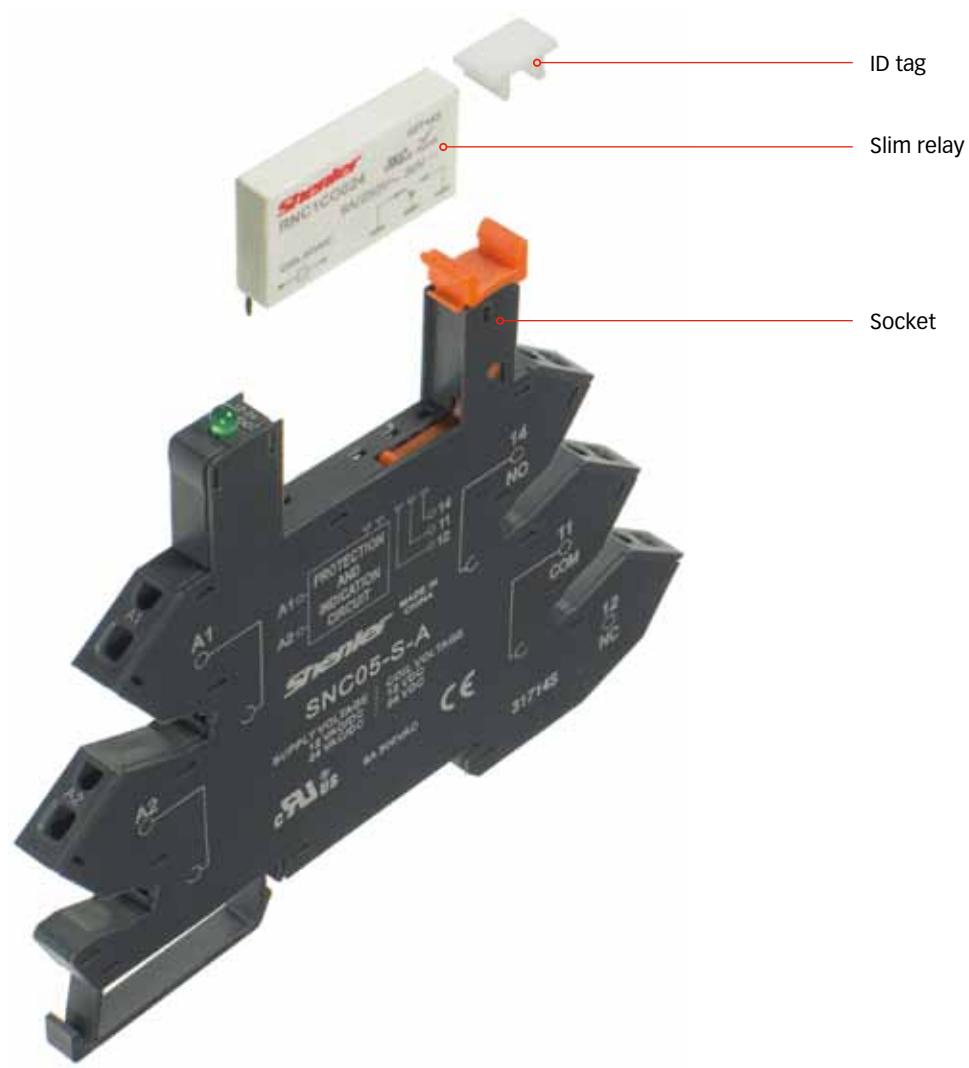


# >>> RNC Interface Relay



## >>> Sockets and accessories selection table

			
SNC05-E	SNC05	SN20B	SN20S

Note: Applicable protection modules and accessories please refer to Page 52 to 54.



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 (A: normal open)  
 1C (C: change over)

**Terminal arrangement** \_\_\_\_\_  
 O: Vertical pin  
 P: Horizontal pin

**Coil voltage** \_\_\_\_\_  
 003~060: 3~60VDC

**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 <sup>4</sup> ; NC: 30000 times (1800 Ops/h)
	Mechanical durability	≥2 x 10 <sup>7</sup> 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
	Between contacts and coil	4000VAC/1min
Ambient temperature		-40~+85°C
Humidity		5%~85%RH
Air pressure		86~106KPa
Shock resistance		10G
Vibration resistance		10~55Hz double-amplitude:1.0mm
Mounting		PCB
Unit weight		6g

# >>> RNC Interface Relay

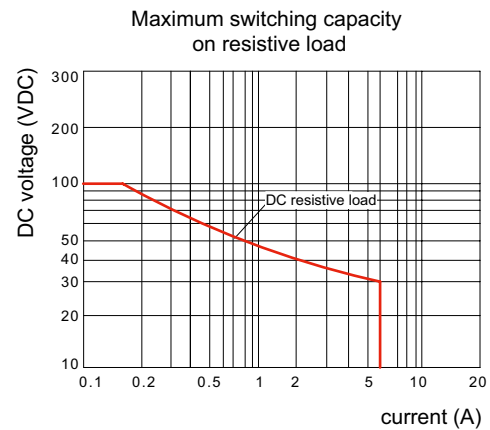
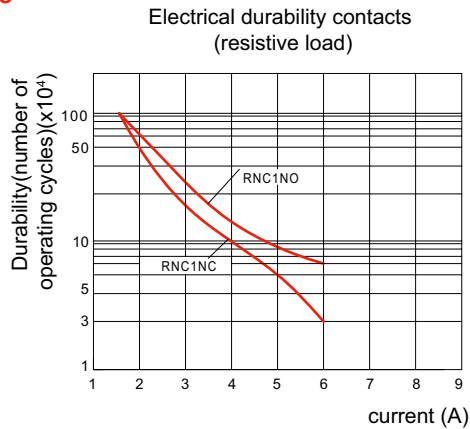
## Coil Specifications (23°C)

Voltage code	003	005	006	009	012	018	024
Nominal voltage V.DC (0.17W)	3	5	6	9	12	18	24
Coil resistance $\Omega$	43	147	212	480	847	1906	3388
Voltage code	048	060					
Nominal voltage V.DC (0.21W)	48	60					
Coil resistance $\Omega$	10971	17143					

Remarks: Coil resistances under coil voltage 48V are measured with tolerances of 10%; above coil voltages 48V are measured with tolerances of 15%.

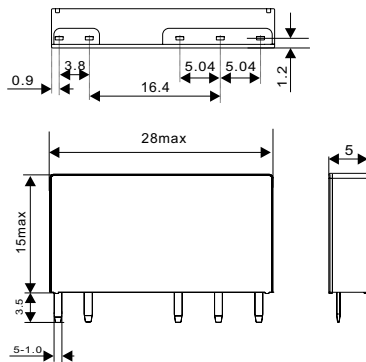
## Contact Specification

### RNC1A, 1C

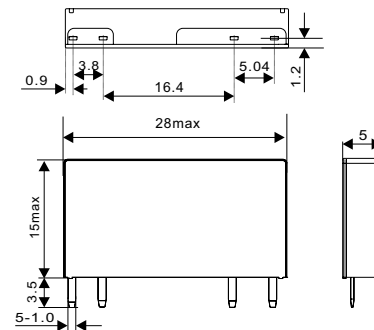


## Dimensions (mm)

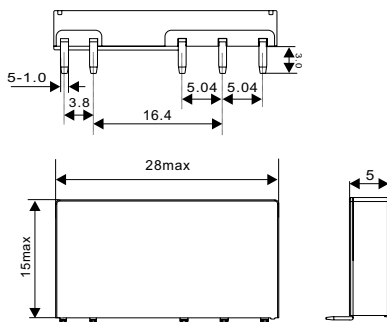
### 1CO



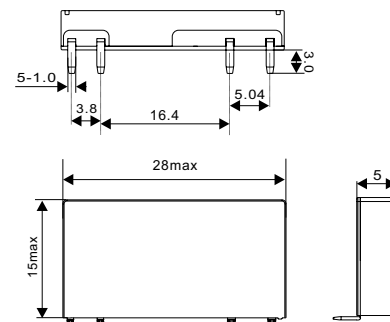
### 1AO



### 1CP



### 1AP



## Wiring Diagrams

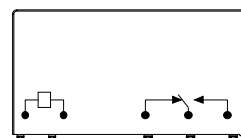
### 1CO Bottom view



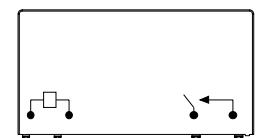
### 1AO Bottom view



### 1CP



### 1AP



## RNC Socket

### >>> SNC05-E

#### Presentation



**8 AMPS 300 VOLTS**



Model No.	Input	For use with relay coil voltage
SNC05-E-A	12/24V	12/24VDC
SNC05-E-B	48/60V	48/60VDC
SNC05-E-C	110V	60VDC
SNC05-E-D	230V	60VDC

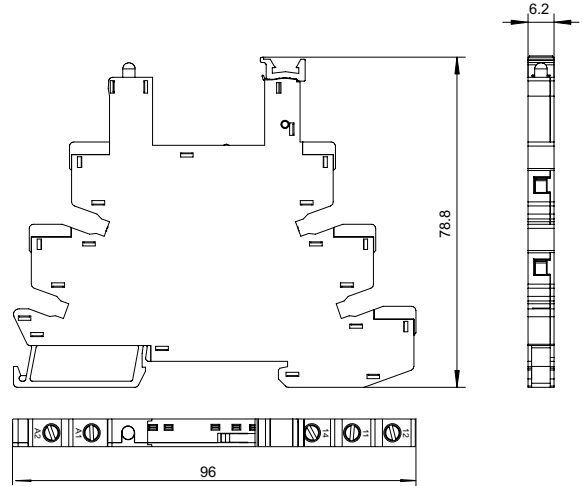
#### Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/S	4000
	Between contacts	V/S	2500
Max. tightening torque		Nm	0.5
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	24

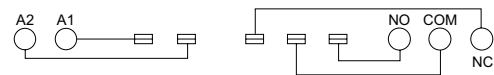
#### Relay/accessories selection table

Socket	Bus jumper	Legend	Partition plate	DIN rail
SNC05-E	SN20B	SN64P	SN20S	PFP

#### Dimensions (mm)



#### Connection Diagrams



### >>> SNC05-S

#### Presentation



**8 AMPS 300 VOLTS**



Model No.	Input	For use with relay coil voltage
SNC05-S-A	12/24V	12/24VDC
SNC05-S-B	48/60V	48/60VDC
SNC05-S-C	110V	60VDC
SNC05-S-D	230V	60VDC

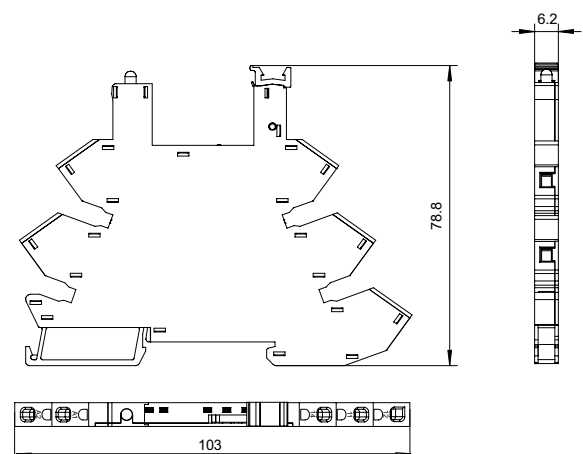
#### Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/S	4000
	Between contacts	V/S	2500
Max. tightening torque		Nm	-
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	25

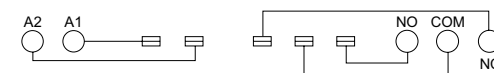
#### Relay/accessories selection table

Socket	Bus jumper	Legend	Partition plate	DIN rail
SNC05-S	SN20B	SN64P	SN20S	PFP

#### Dimensions (mm)



#### Connection Diagrams



# >>> RNC Interface Relay

## RNC Socket

### >>> SNC05

#### Presentation



8 AMPS 300 VOLTS

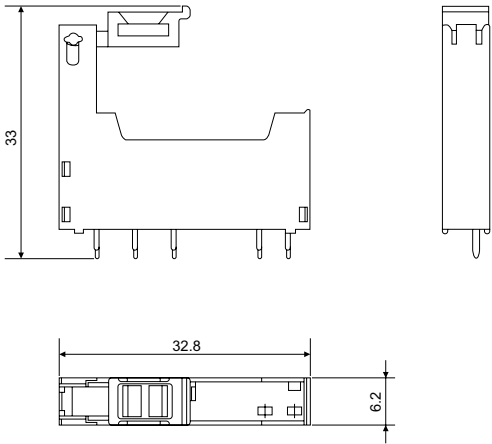


#### Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/S	4000
	Between contacts	V/S	2500
Ambient temperature		°C	-40~+85
Unit weight		g	25

Relay,accessories selection table				
Socket	Bus jumper	Legend	Partition plate	DIN rail
SNC05	-	-	-	-

#### Dimensions (mm)



#### Connection Diagrams

