RNC

Interface Relay Module

Relay

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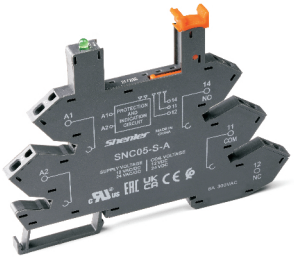

Socket

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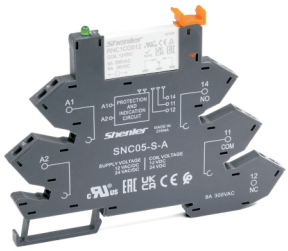


Relay module

RNC □ □ □ □

Other options
Blank: Conventional
A: Gold plated contact

Coil voltage code

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

Terminal arrangement
O: Vertical pin
P: Horizontal pin

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

Series

Characteristics

Contact	Configuration	1A,1C
	Load Resistance	6A/250VAC 30VDC
	Max. switching capacity (resistive)	1500VA,180W
	Min. switching capacity	170mW(17V/10mA)
	Initial contact resistance	≤100mΩ (gold plated contact ≤ 30mΩ)
	Material	Ag alloy
	Electrical durability (normal temperature)(frequency 1s on, 5s off)	NO: $6x10^4$Cycles (600 Ops/h); NC: $3x10^4$ Cycles (600 Ops/h)
	Mechanical durability	≥2 x 10^7Cycles (18000 Ops/h)
Pick-up voltage (23℃) (Rated voltage)		DC:≤75%
Drop-out voltage (23℃) (Rated voltage)		DC:≥5%
Maximum voltage (23℃) (Rated voltage)		110%
Insulation resistance		≥1000MΩ (500VDC)
Coil operating power	3~24 VDC	approx. 0.175W
	48~60 VDC	approx. 0.21W
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)
Insulation characteristics IEC 60664 UL840	Rated voltage	250VAC
	Pollution level	3
	Overvoltage level	III
Impulse withstand voltage (waveform: 1.2/50μs)		4000V
Protection level		IP20
Storage temperature/ humidity		-55~+85℃/ ≤85%RH (18 months)
Working temperature/ humidity		-40~+85℃/ 5%~85%RH (No condensation)
Air pressure		86~106KPa
Shock resistance		10G (half-sine shock pulse: 11ms)
Vibration resistance		10~55Hz double-amplitude:1.0mm
Mounting		PCB
Unit weight		approx. 6g

RNC
Interface Relay Module

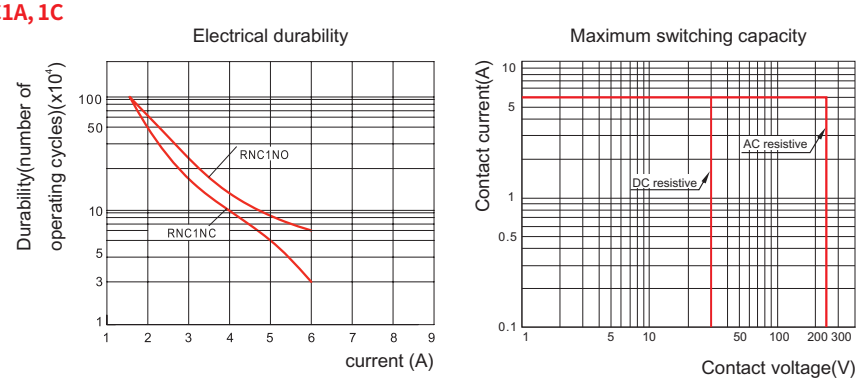
Coil Specifications (23°C)

Nominal voltage V.DC (0.17W)	5	6	12	24
Coil resistance Ω	147	212	847	3250
Nominal voltage V.DC (0.21W)	48	60		
Coil resistance Ω	10971	17143		

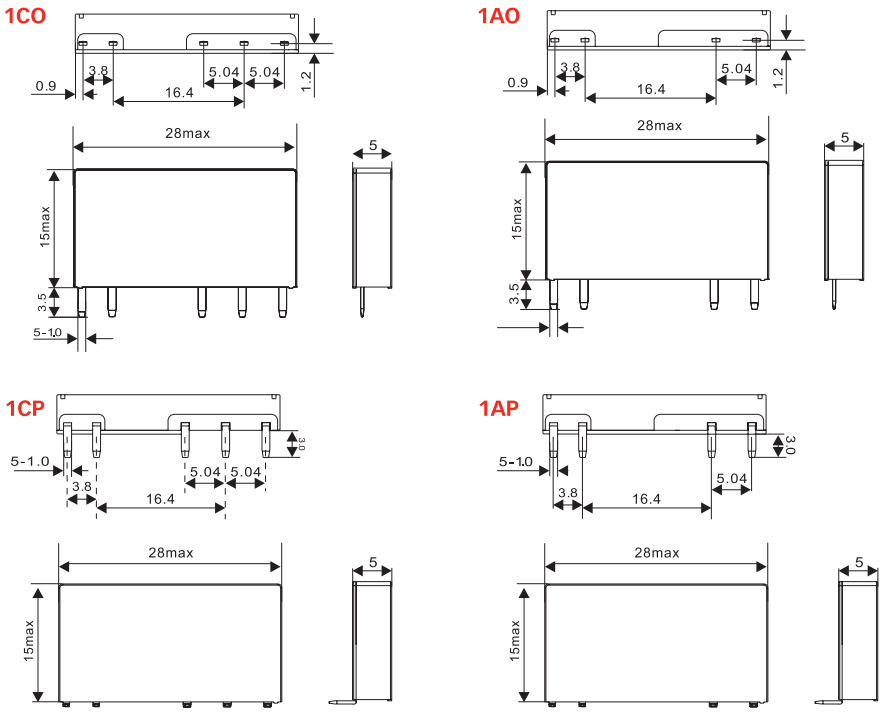
Coil resistance: under coil voltage 110V are measured with tolerance of ±10%Ω.

Contact Specification

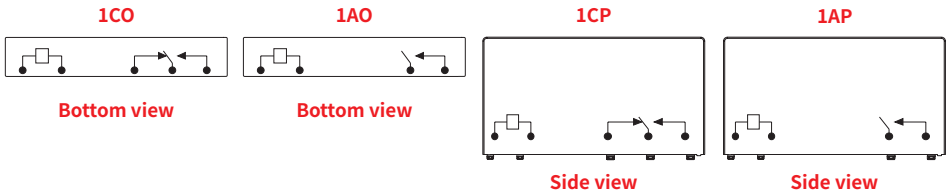
RNC1A, 1C



Dimensions (mm)



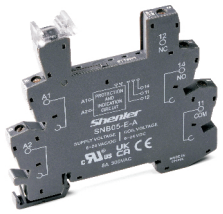
Wiring Diagrams



SNB05-E

RNC Socket

Characteristics



SNB05-E

Model No.	Input	Relay
SNB05-E-AR	6~24VDC	6~24VDC
SNB05-E-A	6~24V	6~24VDC
SNB05-E-B	48V	24VDC
SNB05-E-C	110V	24VDC
SNB05-E-D	230V	48VDC

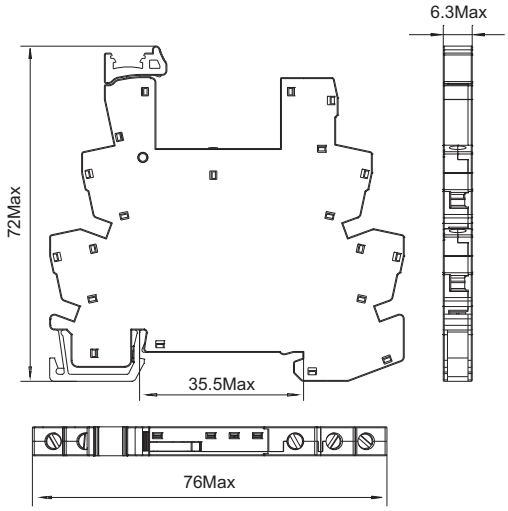
Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	0.5
Wire size		AWG/mm²	20-16/0.5-1.5
Ambient temperature		℃	-40~+85
Unit weight		g	19.5

Accessories

Bus jumper	Legend
	
SN20A	SN64P

Dimensions (mm)



Connection Diagrams