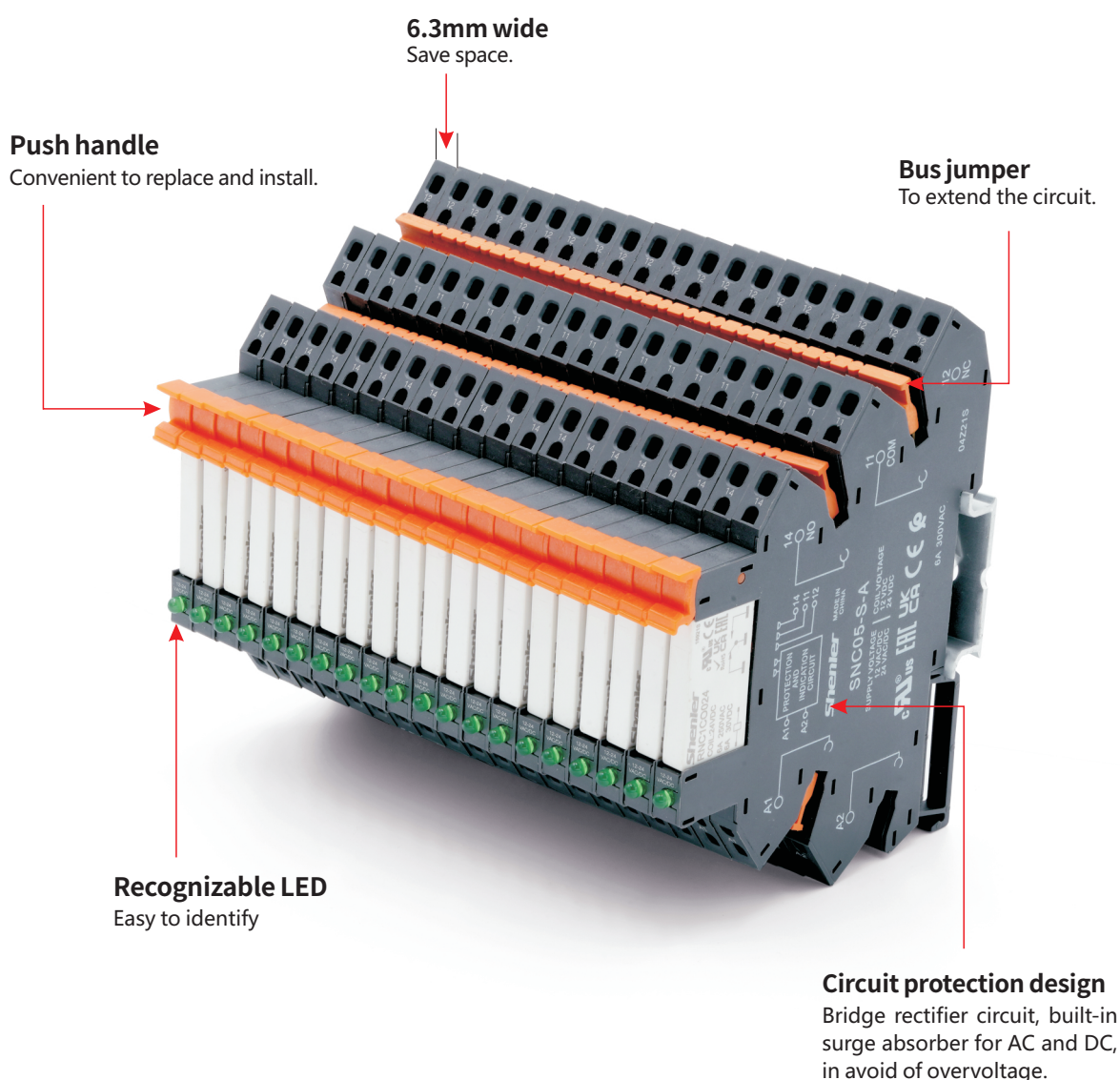


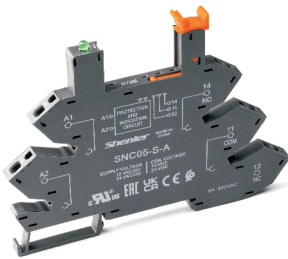
- ◆ Ultra-slim, high sensitivity and low consumption, the maximum load power 6A.
- ◆ Reasonable structure, meets environmental protection requirements, the control voltage range can be extended with matching sockets.
- ◆ Shenler industrial relays are widely used in the output signal and safety drive of PLC, CNC system, robot, intelligent manufacturing and other control systems. It is the best choice to realize remote control, production and processing, packaging, transportation, testing, storage and other equipment and automatic assembly lines.





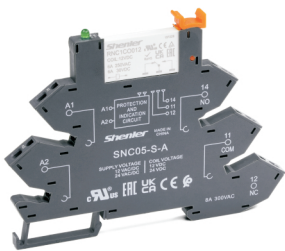
Relay

+

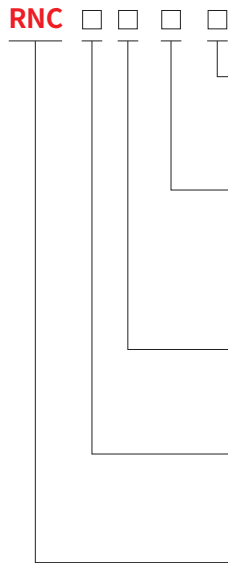


Socket

=



Relay module



**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**

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 <sup>4</sup> Cycles (600 Ops/h); NC: 3x10 <sup>4</sup> Cycles (600 Ops/h)	
Mechanical durability	≥2 x 10 <sup>7</sup> Cycles (18000 Ops/h)	
Pick-up voltage (23°C) (Rated voltage)	DC: ≤75%	
Drop-out voltage (23°C) (Rated voltage)	DC: ≥5%	
Maximum voltage (23°C) (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	Rated voltage	250VAC
	Pollution level	3
IEC 60664 UL840	Overvoltage level	III
Impulse withstand voltage (waveform: 1.2/50μs )	4000V	
Protection level	IP20	
Storage temperature/ humidity	-55~+85°C/ ≤85%RH (18 months)	
Working temperature/ humidity	-40~+85°C/ 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	

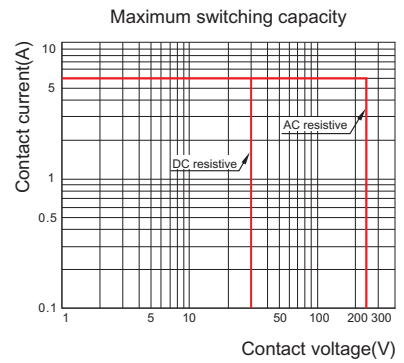
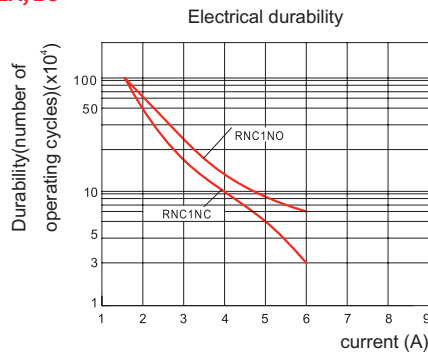
**Coil Specifications (23°C)**

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		

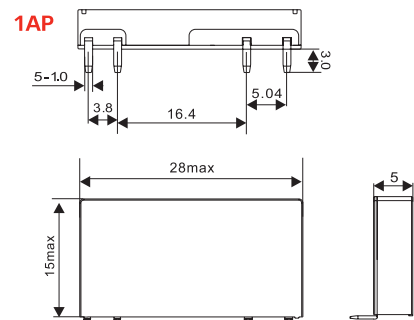
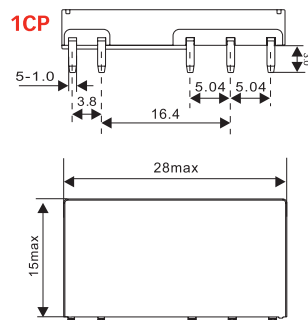
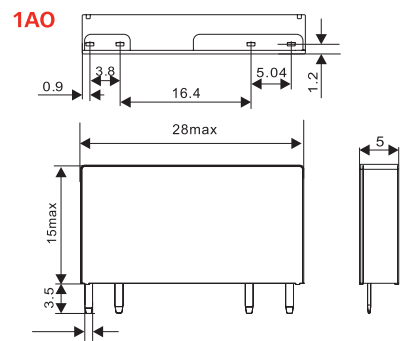
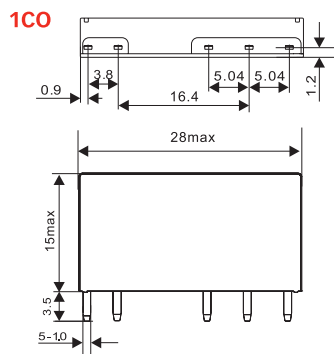
Coil resistance: under coil voltage 110V are measured with tolerance of ±10%Ω.

**Contact Specification**

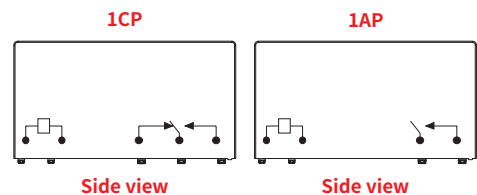
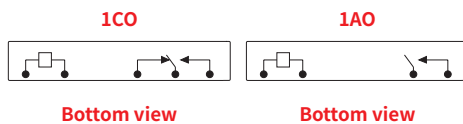
**RNC1A, 1C**



**Dimensions (mm)**

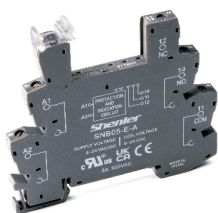


**Wiring Diagrams**





**Characteristics**

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

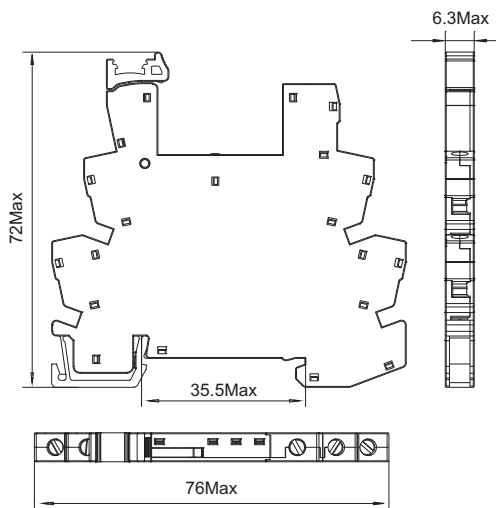


**SNB05-E**

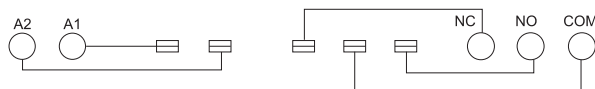
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	0.5
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	19.5

Accessories	
Bus jumper	Legend
	
SN20A	SN64P

**Dimensions (mm)**

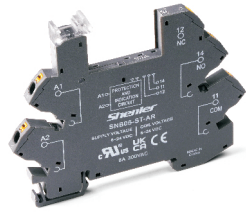


**Connection Diagrams**





**Characteristics**

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

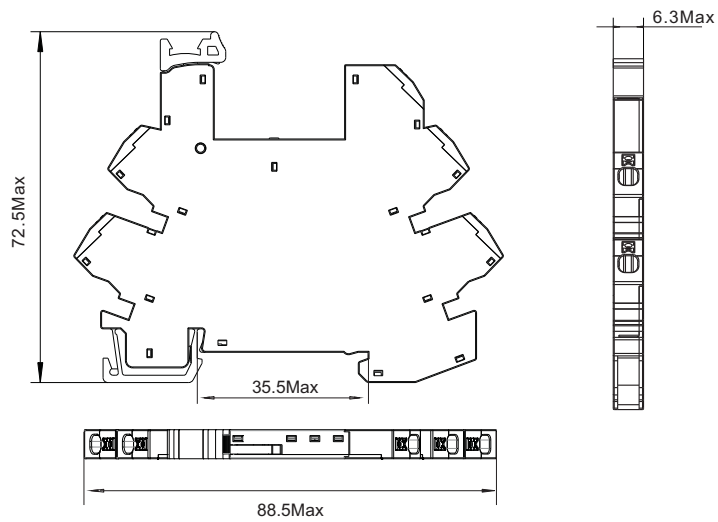


**SNB05-ST**

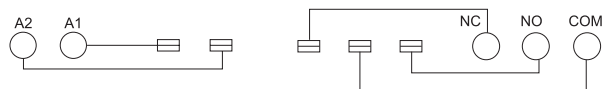
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	19.5

Accessories	
Bus jumper	Legend
 SN20A	 SN64P

**Dimensions (mm)**

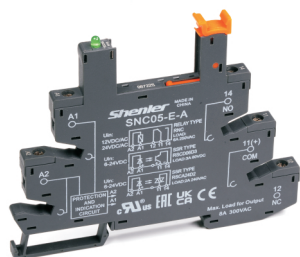


**Connection Diagrams**



**Characteristics**

Model No.	Input	Relay
SNC05-E-A	12~24V	12~24VDC
SNC05-E-B	48~60V	48~60VDC
SNC05-E-C	110V	60VDC
SNC05-E-D	230V	60VDC

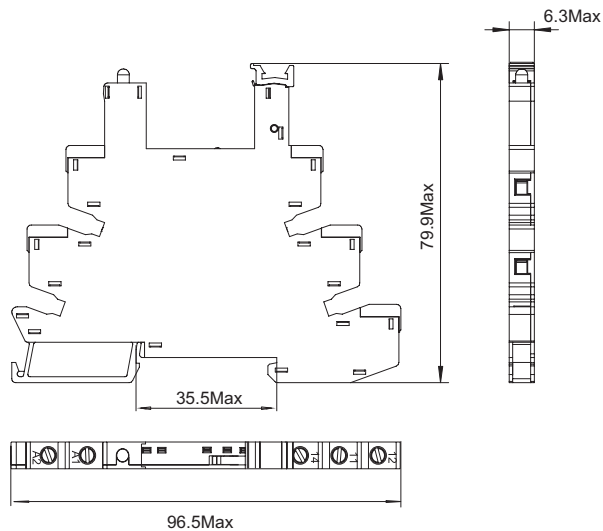


**SNC05-E**

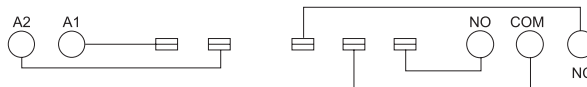
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	0.5
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	24

Accessories		
Bus jumper	Legend	Partition plate
		
SN20B	SN64P	SN20S

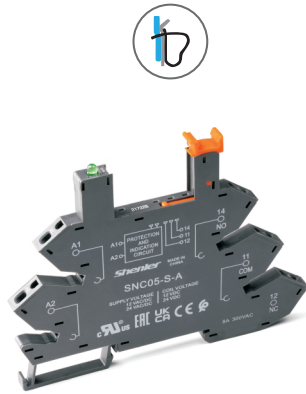
**Dimensions (mm)**



**Connection Diagrams**



**Characteristics**



**SNC05-S**

Model No.	Input	Relay
SNC05-S-A	12~24V	12~24VDC
SNC05-S-B	48~60V	48~60VDC
SNC05-S-C	110V	60VDC
SNC05-S-D	230V	60VDC

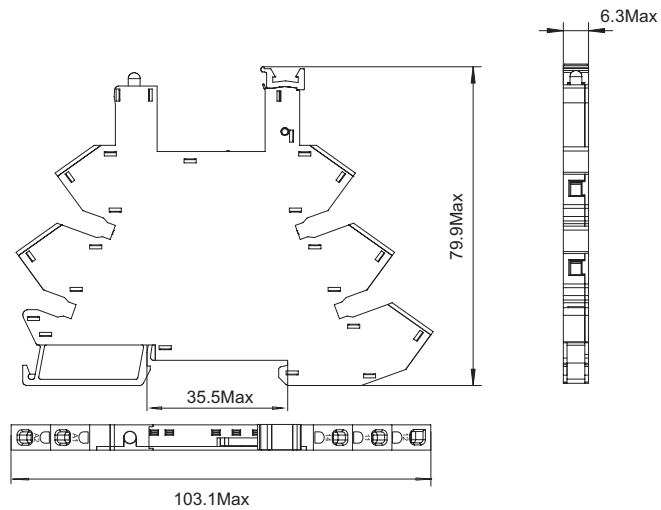
**Characteristics**

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

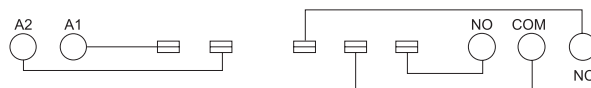
**Accessories**

Bus jumper	Legend	Partition plate
SN20B	SN64P	SN20S

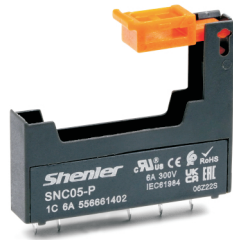
**Dimensions (mm)**



**Connection Diagrams**



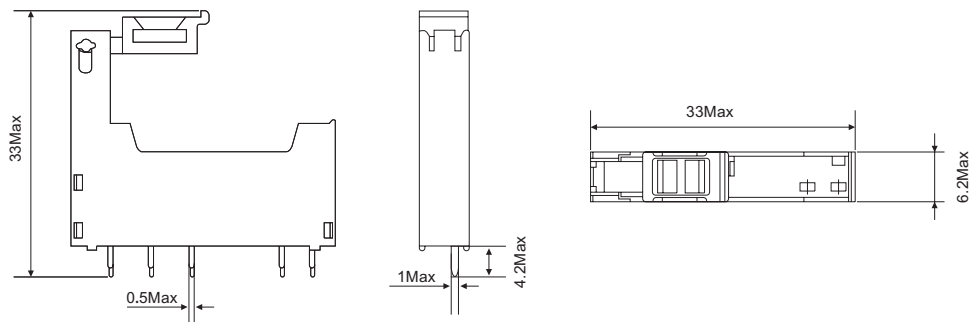
**Characteristics**



**SNC05-P**

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	2.6

**Dimensions (mm)**



**Connection Diagrams**

