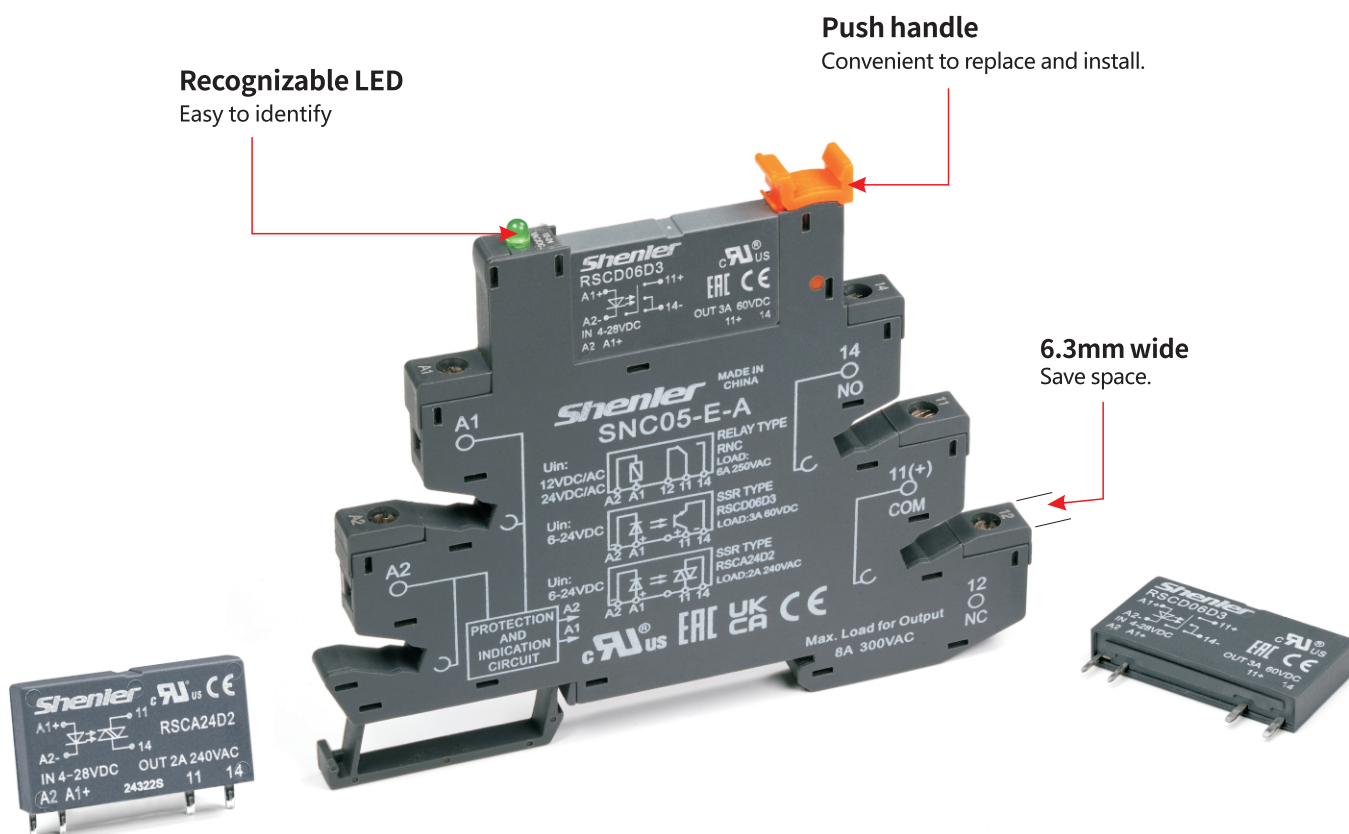
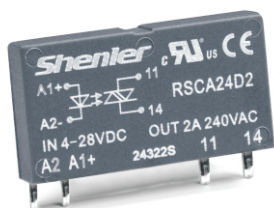


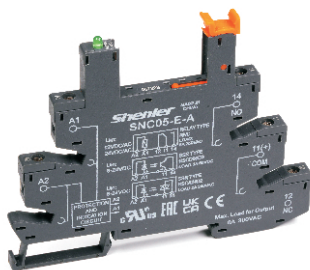
- Ultra thin, small size, fast switching response
- no contact, no spark, long service life
- NO DC, AC output
- MOSFET output for DC, TRIAC output for AC.
- Imported optocoupler isolation
- Wide supply DC voltage range
- Shenler industrial control relay is widely used in the output signal and safety drive of PLC, CNC system, robot, intelligent manufacturing and other control systems. It is one of the best choices to realize the automatic assembly line of various equipment and products such as remote control, production and processing, packaging, transportation, detection and storage.





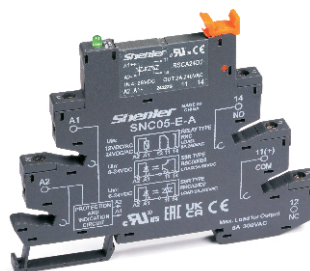
Relay

+

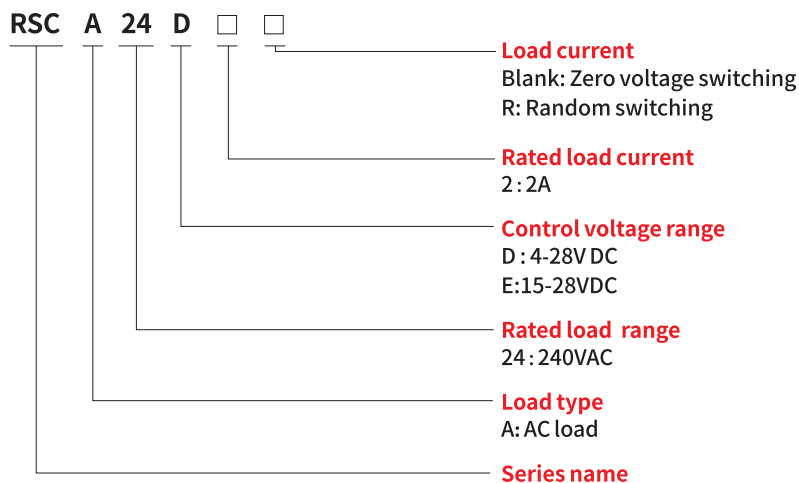


Socket

=



Relay Module



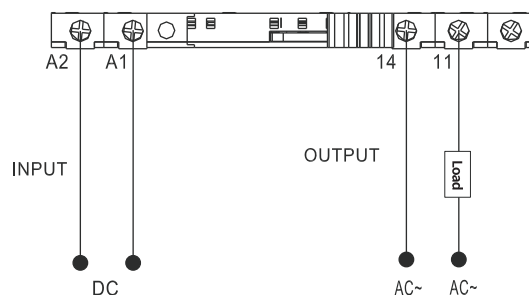
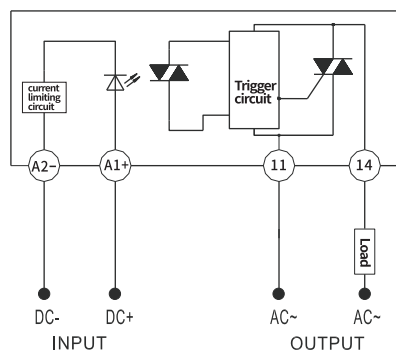
Product performance

Input parameter(Ta=25°C)				
Part No.	RSCA24D2	RSCA24D2R	RSCA24E2	RSCA24E2R
Control voltage range	4~28VDC		15~28VDC	
Must turn-on voltage	4VDC		15VDC	
Must turn-off voltage	1VDC		5VDC	
Control current range	20mA			
Output parameters(Ta=25°C)				
Part No.	RSCA24D2	RSCA24E2	RSCA24D2R	RSCA24E2R
Rated load voltage	240VAC			
Load voltage range	24~280VAC			
Maximum transient voltage	600VPK			
Load current range	0.02~2A			
Trigger type	Zero voltage switching		Random switching	
Maximum conduction time	½ cycle		1ms	
Maximum turn-off time	½ cycle		½ cycle	
Non-repetitive surge current (within 10ms)	≤50A			
Maximum off-state leakage current (at rated voltage)	≤1.5mA			
Maximum on-state voltage drop (at rated current)	≤1.3V			
Out-of-state voltage index rise rate dv/dt	200V/us			
Load current safety factor	40-60%			
Other parameters(Ta=25°C)				
Dielectric withstand voltage (Input / Output,50Hz/60Hz)		2500VAC		
Insulation resistance(@500VDC)		1000MΩ		
Operating temperature range		-30°C~+80°C		
Storage temperature range		-30°C~+100°C		
Operating ambient humidity range		35 ~ 85%RH (No condensation)		
Weight		approx. 4g		

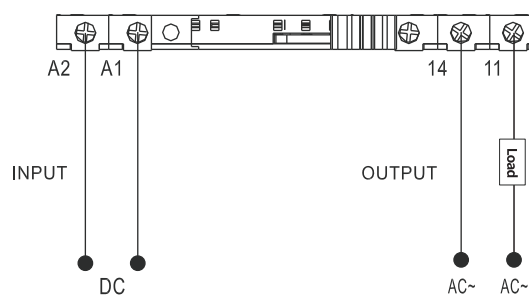
Note:

1. When welding and installing the printed substrate, please complete the welding within 8 seconds at 260°C welding temperature (no more than 2 seconds for each pin).
2. The positive and negative polarity of input and output shall not be connected wrongly, otherwise it is easy to damage the product.
3. The recommended installation torque for base wiring is 0.5N m.
4. When the ambient temperature of the product is high, please refer to the temperature curve for derating.

Wiring Diagrams

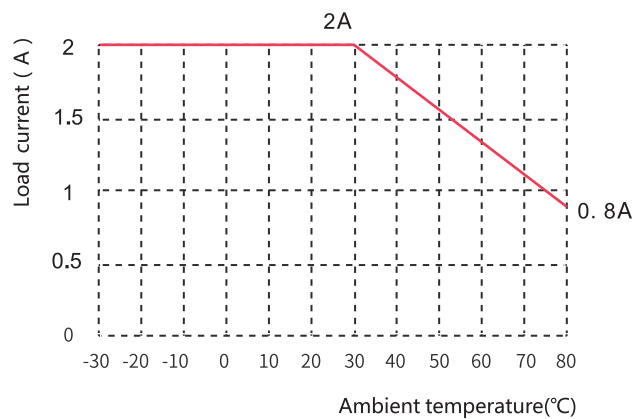


WITH SOCKET SNC05-E-A

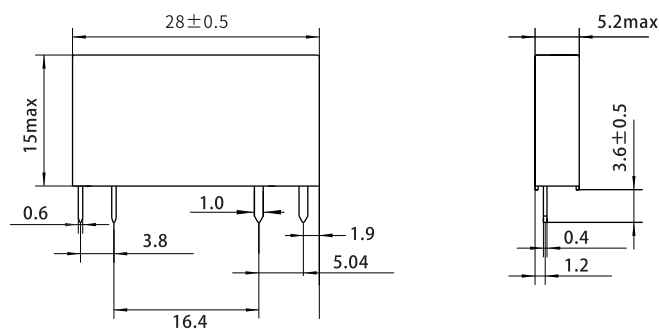


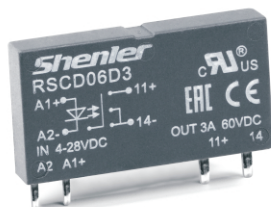
WITH SOCKET SNB05-E-A&SNB05-ST-A

Contact Specification



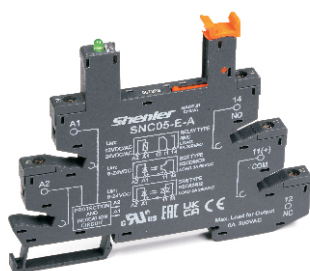
Dimension(mm)





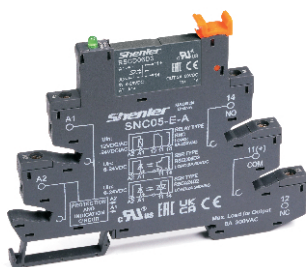
Relay

+



Socket

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Relay Module

RSC D 06 □ □

Load current

1:1 A

3:3 A

Control Voltage range

D:4-28VDC

E:15-28VDC

Rated load voltage

06:60VDC

Load type

D: DC load

Series name

Product performance

Input parameter(Ta=25°C)

Part No.	RSCD06D1	RSCD06D3	RSCD06E1	RSCD06E3
Control voltage range	4~28VDC		15~28VDC	
Must turn-on voltage	4VDC		15VDC	
Must turn-off voltage	1VDC		5VDC	
Control current range	20mA			

Output parameters(Ta=25°C)

Part No.	RSCD06D1	RSCD06E1	RSCD06D3	RSCD06E3
Rated load voltage	60VDC			
Load voltage range	5~60VDC			
Peak withstand voltage	100VDC			
Load current range	0.002~1A		0.002~3A	
Non-repetitive surge current (within 10ms)	16A		30A	
Maximum on-state voltage drop (at rated current)	≤1.3V		≤0.1V	
Maximum off-state leakage current (at rated voltage)	≤0.1mA			
Maximum turn-on time	≤1ms			
Maximum turn-off time	≤1ms			
Load current safety factor	40~60%			

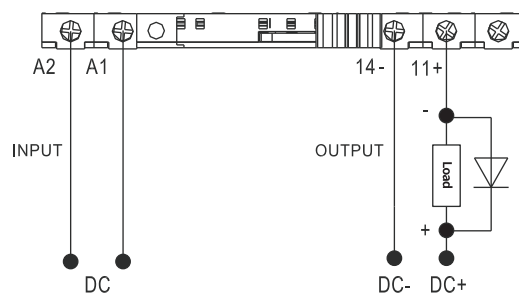
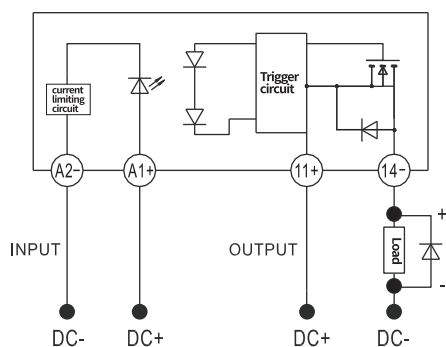
Other parameters(Ta=25°C)

Dielectric withstand voltage (Input / Output,50Hz/60Hz)	2500VAC
Insulation resistance(@500VDC)	1000MΩ
Operating temperature range	-30°C~+80°C
Storage temperature range	-30°C~+100°C
Operating ambient humidity range	35 ~ 85%RH (No condensation)
Weight	approx. 4g

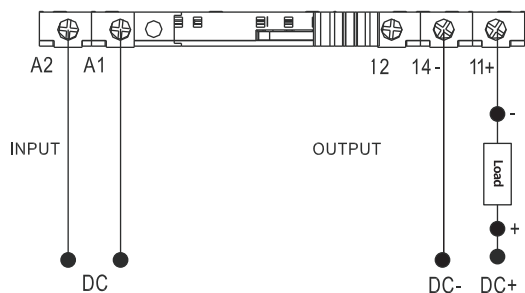
Note:

- 1.When welding and installing the printed substrate, please complete the welding within 8 seconds at 260°C welding temperature (no more than 2 seconds for each pin).
- 2.The positive and negative polarity of input and output shall not be connected wrongly,otherwise it is easy to damage the product.
- 3.The recommended installation torque for base wiring is 0.5N m.
- 4.When the ambient temperature of the product is high, please refer to the temperature curve for derating.
- 5.When connecting inductive load, be sure to reverse parallel the freewheeling diode at the load end (see the wiring diagram for the specific connection method)!

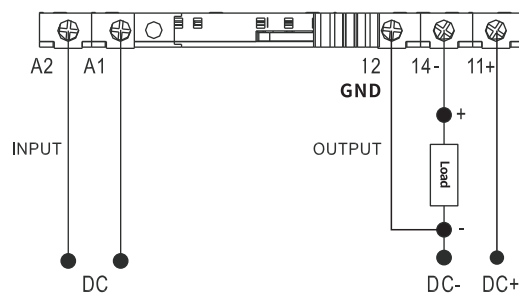
Wiring Diagrams



**WITH SOCKET SNC05-E-A
For Resistive Load**

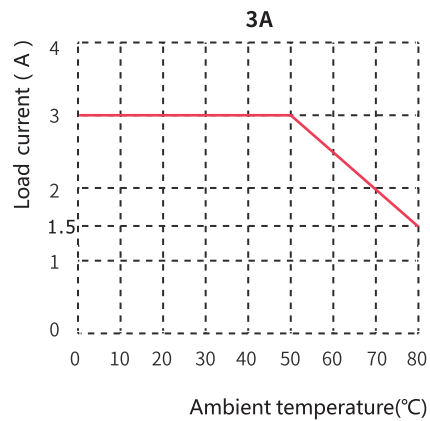
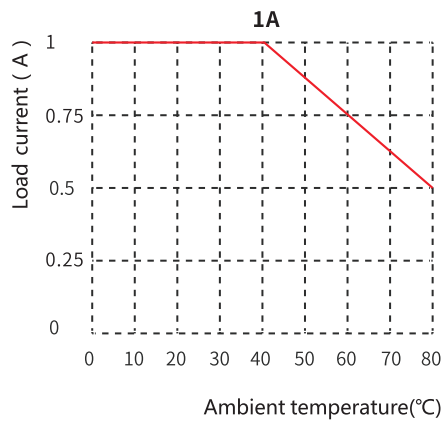


**WITH SOCKET SNB05-E-A & SNB05-ST-A
& SNB05-ST-A T**

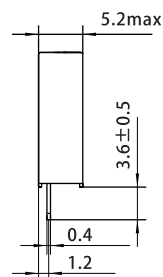
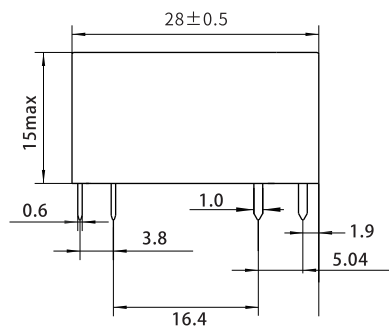


**WITH SOCKET SNB05-E-A D
& SNB05-ST-A D
For Inductive Load**

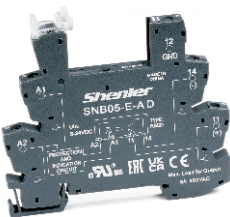
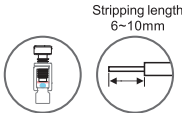
Contact Specification



Dimension(mm)



Characteristics



SNB05-E-A D

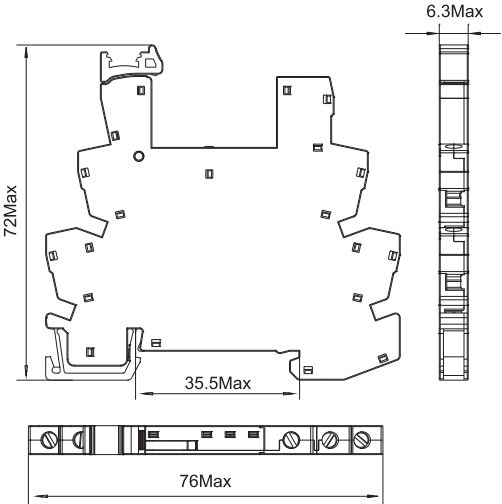
Model No.	Input	Relay
SNB05-E-A	6~24VDC	4~28VDC
★ SNB05-E-A D	6~24VDC	4~28VDC
★ SNB05-E-A T	6~24VDC	4~28VDC

- ★ SNB05-E-A D, output with diode
- ★ SNB05-E-A T, output with TVS

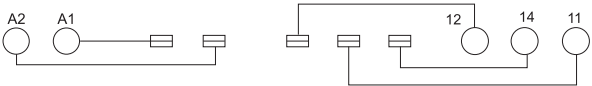
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Input/Output	V/min	2000
Max. tightening torque		Nm	0.5
Wire size		AWG/mm ²	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	19.5

Accessories	
Bus jumper	ID tag
SN20A	SN64P

Dimensions (mm)



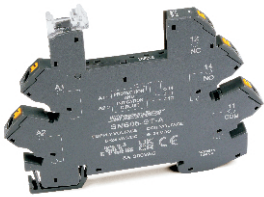
Connection Diagrams



Characteristics

Model No.	Input	Relay
SNB05-ST-A	6~24V	4~28VDC
★ SNB05-ST-A D	6~24V	4~28VDC
★ SNB05-ST-A T	6~24V	4~28VDC

- ★ SNB05-E-A D, output with diode
- ★ SNB05-E-A T, output with TVS



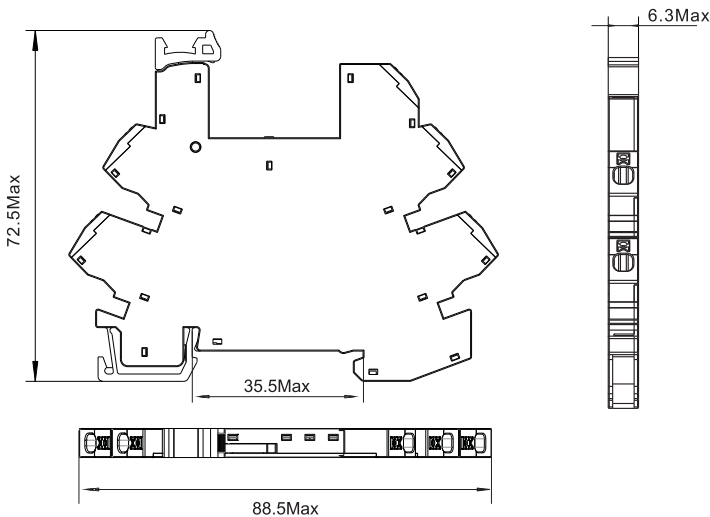
SNB05-ST-A

Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Input/Output	V/min	2000
Wire size		AWG/mm ²	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	19.5

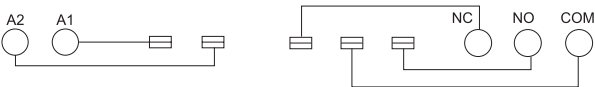
Accessories

Bus jumper	ID tag
 SN20A	 SN64P

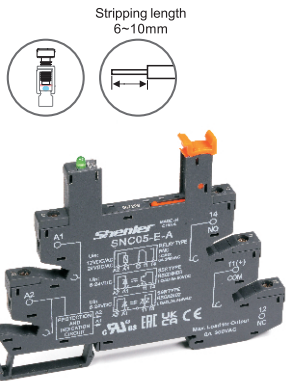
Dimensions (mm)



Connection Diagrams



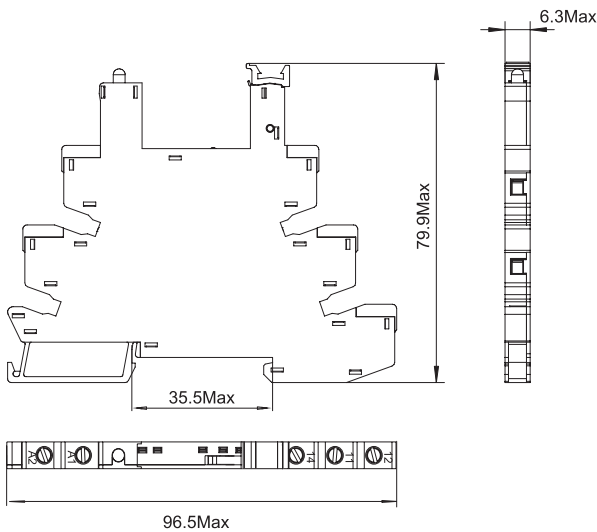
Characteristics



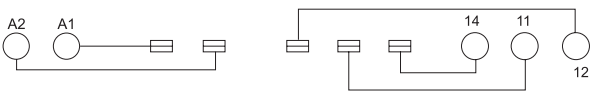
SNC05-E-A

Model No.	Input	Relay	
SNC05-E-A	6~24VDC	4~28VDC	
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Input/Output	V/min	2000
Max. tightening torque		Nm	0.5
Wire size		AWG/mm ²	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	24
Accessories			
Bus jumper	ID tag	Partition plate	
			
SN20B	SN64P	SN20S	

Dimensions (mm)



Connection Diagrams



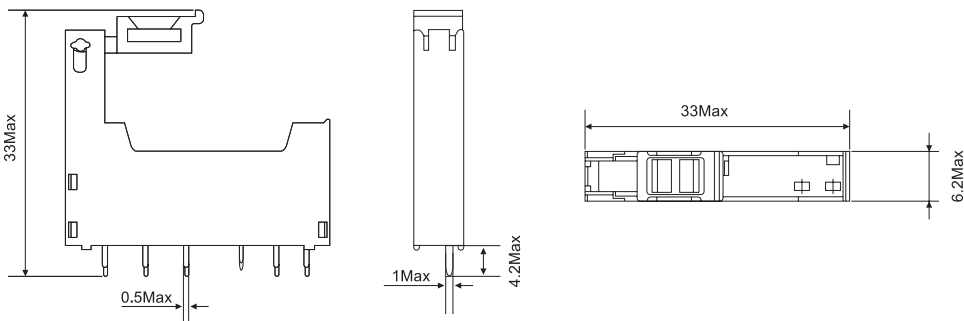
Product performance

SNC05-P1

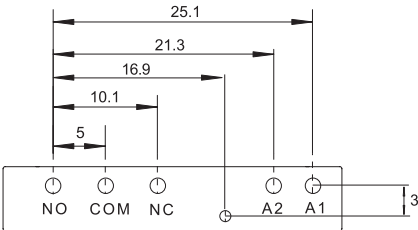


Nominal load	Current	A	6
	Voltage	V	300
Dielectric strength	Input/output	V/min	2500
Ambient temperature		°C	-40~+85
Unit weight		g	2.6

Dimension (mm)



Wiring Diagram



Physical drawing of product application

