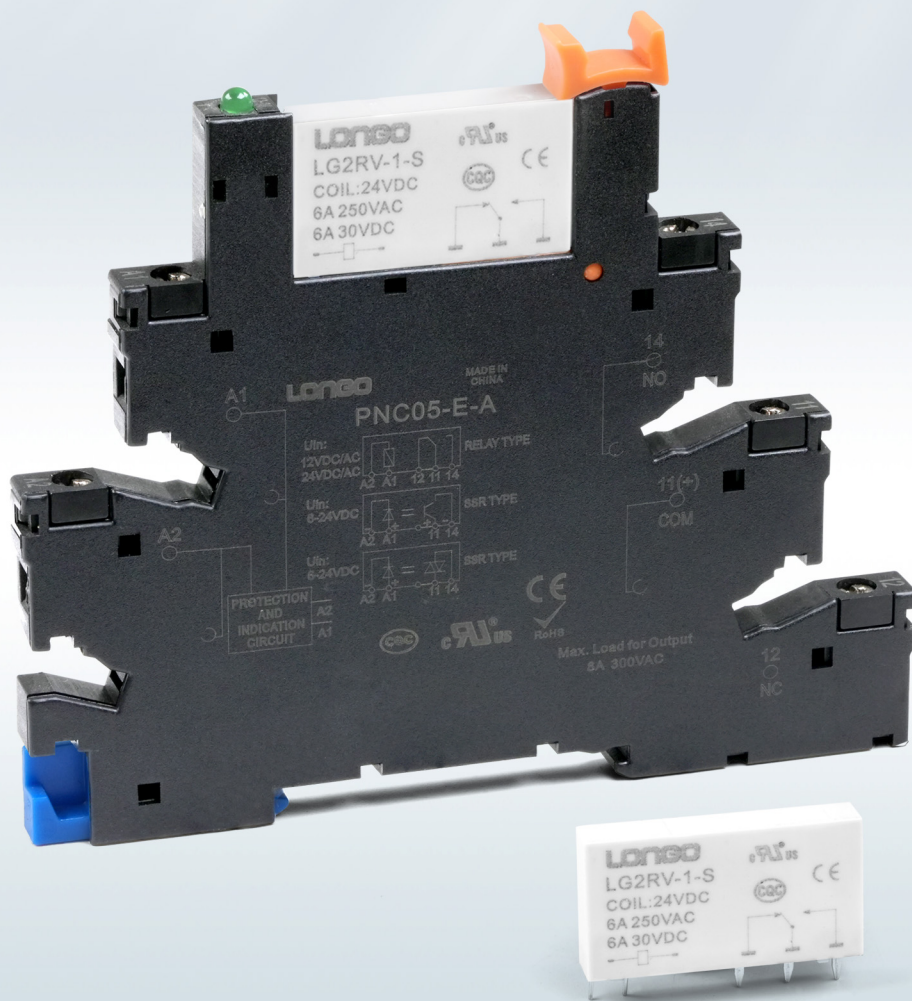


**> Features:**

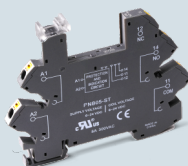
- High sensitivity and low consumption
- Ultra-thin, thickness 5.0mm
- The maximum load power 6A
- Recognizable LED
- Circuit protection design



**Sockets selection table**



PNC05-E-A



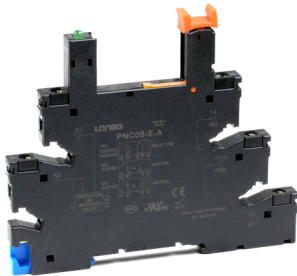
PNB05-ST



PNC05-P



Relay



Socket



Relay module

LG2RV-1-□□□

**Rated Coil Voltage**  
Number: 3VDC, 5VDC, 6VDC, 12VDC, 18VDC, 24VDC, 48VDC, 60VDC

**Contact material**  
None: Ag alloy  
AP: Ag alloy + Au plating

**Terminal**  
S: Vertical pin  
P: Horizontal pin

**No. of Poles**  
1: 1C  
2: 1A

**Series Name**

### Specification

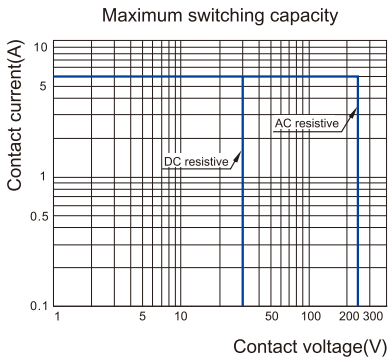
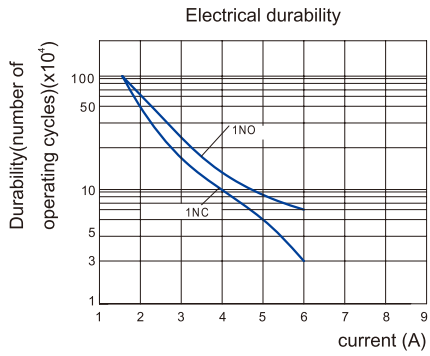
Contact	Configuration	1A, 1C
	Load Resistance	6A/250VAC 30VDC
	Max. switching capacity (resistive)	1500VA, 180W
	Min. switching capacity	170mW (17V/10mA)
	Initial contact resistance	≤100mΩ (gold plated contact ≤ 30mΩ)
	Material	Ag alloy
	Electrical durability	NO: 6x10 <sup>4</sup> Cycles (600 Ops/h); 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	250AVC
	Pollution level	3
	IEC 60664 UL840 Overvoltage level	III
Impulse withstand voltage (waveform: 1.2/50us)		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
Installation mode		PCB
Unit weight		approx. 6g

**Coil Specifications (23°C)**

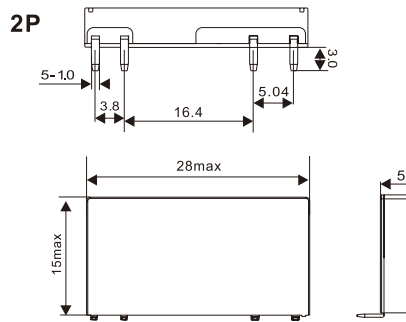
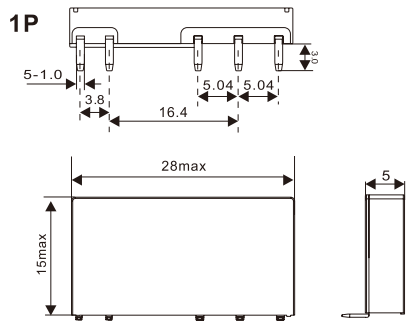
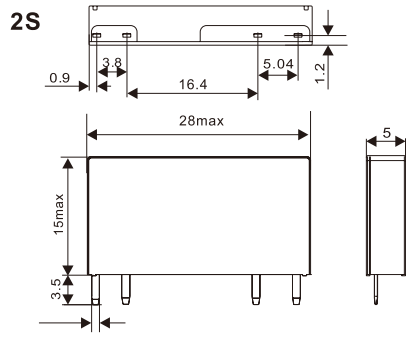
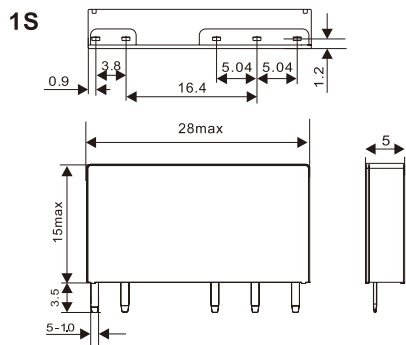
Nominal voltage V.DC (0.17W)	5	6	12	24
Coil resistance $\Omega$	147	212	847	3250
Nominal voltage V.DC (0.21W)	48	60		
Coil resistance $\Omega$	10971	17143		

Coil resistance: under coil voltage 110V are measured with tolerance of  $\pm 10\% \Omega$ , above 110V with tolerance of  $\pm 15\% \Omega$ .

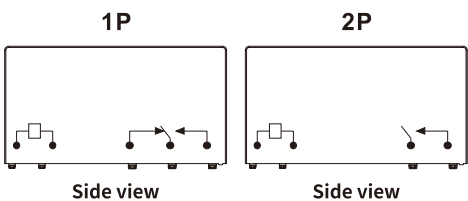
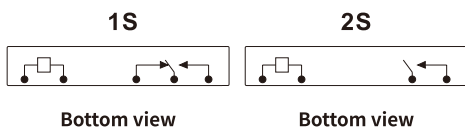
**Contact Specification**



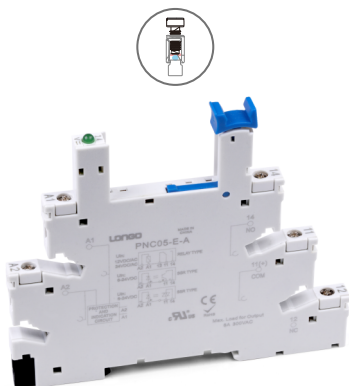
**Dimensions (mm)**



**Wiring Diagrams**



**Characteristics**



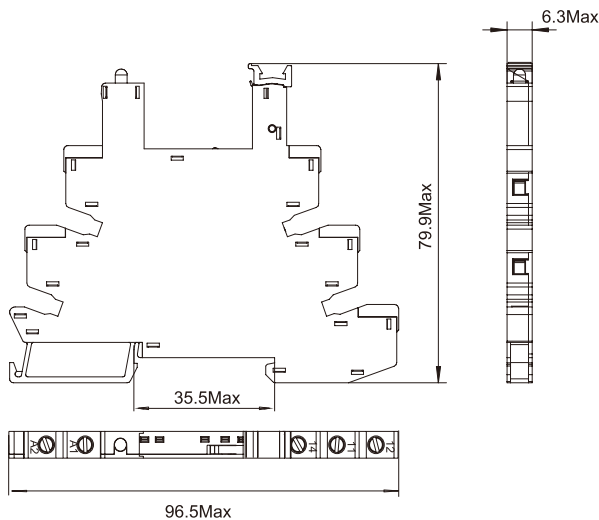
**PNC05-E**

Model No.	Input	Relay
PNC05-E-A	12~24V	12~24VDC
PNC05-E-B	48~60V	48~60VDC
PNC05-E-C	110V	60VDC
PNC05-E-D	230V	60VDC

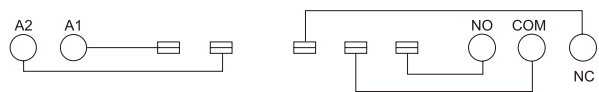
Characteristics			
Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	0.5
Wire size		AWG/mm <sup>2</sup>	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	24

Relay,accessories Selection Table		
Bus jumper	Legend	Partition plate
 PN20B	 PN64P	 PN20S

**Dimensions (mm)**



**Connection Diagrams**



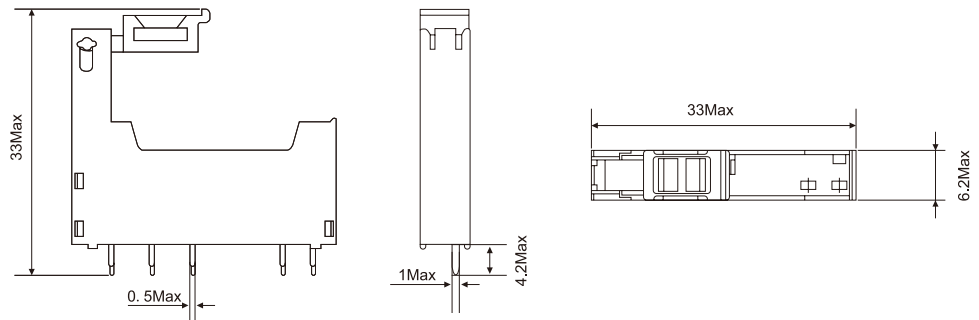
**Characteristics**



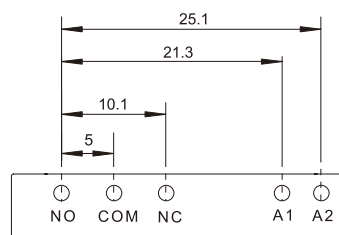
**PNC05-P**

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	25

**Dimensions (mm)**

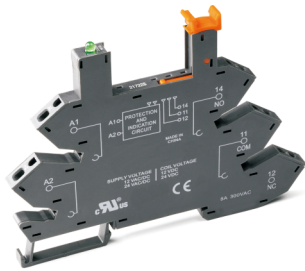


**Connection Diagrams**



**Characteristics**

Model No.	Input	Relay
PNC05-E-A	12~24V	12~24VDC
PNC05-E-B	48~60V	48~60VDC
PNC05-E-C	110V	60VDC
PNC05-E-D	230V	60VDC

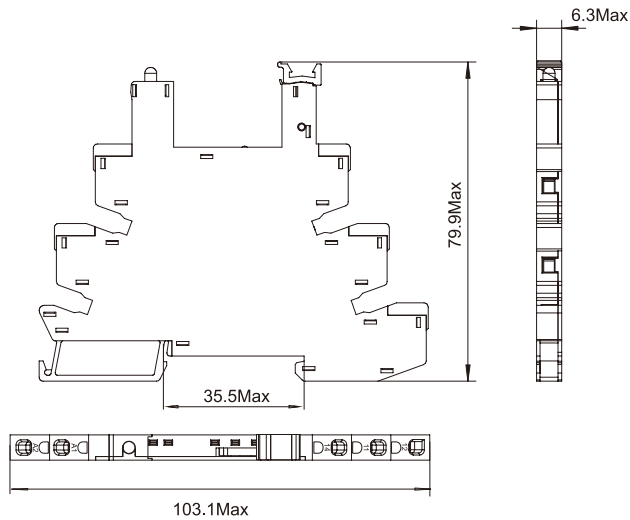


**PNC05-ES**

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

Relay,accessories Selection Table		
Bus jumper	Legend	Partition plate
		
PN20B	PN64P	PN20S

**Dimensions (mm)**



**Connection Diagrams**

