

POWER PCB RELAY

WJ121-RELAYS

8A switching capacities
 1 Pole configurations
 5KV dielectric coil to contacts
 Low height 12.3 mm
 Sealed & unsealed type available
 Creepage distance 8mm

SPECIFICATIONS

Contact

Arrangement	1C , 1A
Contact Material	Silver alloy
Initial Contact Resistance (At voltage 6V 1A)	Max.100m Ω
Rating Nominal switching capacity Resistive load(cos ϕ X=1)	8A 250VAC 8A 30VDC
UL/C-UL Rating Resistive load (cos ϕ X=1) VDE Rating	8A 250VAC 8A 30VDC 8A 250VAC 8A 30VDC
Max. Switching voltage	440VAC / 240VDC
Max. Switching current	10A
Max. Switching power	2000VA 150W
Expected life(min.ope) Mechanical(at 180 cpm) Electrical (at 20 cpm)	2 \times 10 ⁷ 1 \times 10 ⁵

Characteristics

		WJ121
Operate Time		7 msec.
Release Time		3 msec.
Operating humidity		35% to 85% RH
Initial breakdown voltage Between coil & contact Between open contacts		5000VAC (50/60Hz)for 1 min. 1000VAC (50/60Hz)for 1 min.
Insulation Resistance		Min. 1000M Ω 500 VAC
Surge Voltage Between Contacts&Coils		10,000V (1.2 μ s 50 us)
Ambient temperature		-40 °C \sim +85 °C
Temperature rise(Max)		45deg
Shock Resistance	Functional	100 m/s ² Min.10G
	Destruction	1000 m/s ² Min.100G
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 1.5mm
	Destruction	10 to 55 Hz at double Amplitude of 1.5mm
Unit weight		Approx.8.2g

Coil

Nominal operating power	0.22W to 0.25W
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TYPICAL APPLICATION 1..House appliances: TV/ VCR / Microwave Ovens

2.Office Machines:Photocopiers, Vending Machines . 3 .Industrial equipment :N.C Machines, Robots

ORDERING INFORMATION

WJ121 - 1 C - 12VDC S G F
 \checkmark Ц \checkmark Б \checkmark Ы \checkmark Б \checkmark Э \checkmark Ю \checkmark Я

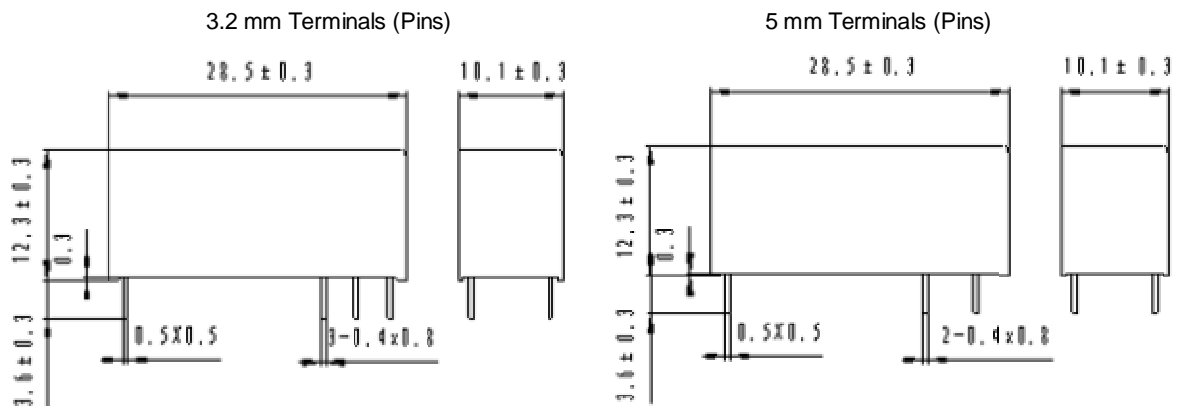
\checkmark ЦPart Number	\checkmark БNumber of pole	\checkmark ЫContact Form	\checkmark БCoil Voltage	\checkmark Э	\checkmark Ю	\checkmark Я
WJ121	1:1 group	1A: SPST-NO, 5 mm Pins 1 C: SPDT, 3.2 mm Pins	DC: 3, 5, 6, 9, 12, 24, 48V	Nil : unsealed S: Sealed	Nil: AgCdO12 T: AgSnO2 G: Gold plated	F: Class F, 155 °C B: Class B, 133 °C

COIL DATA (at 20°C)

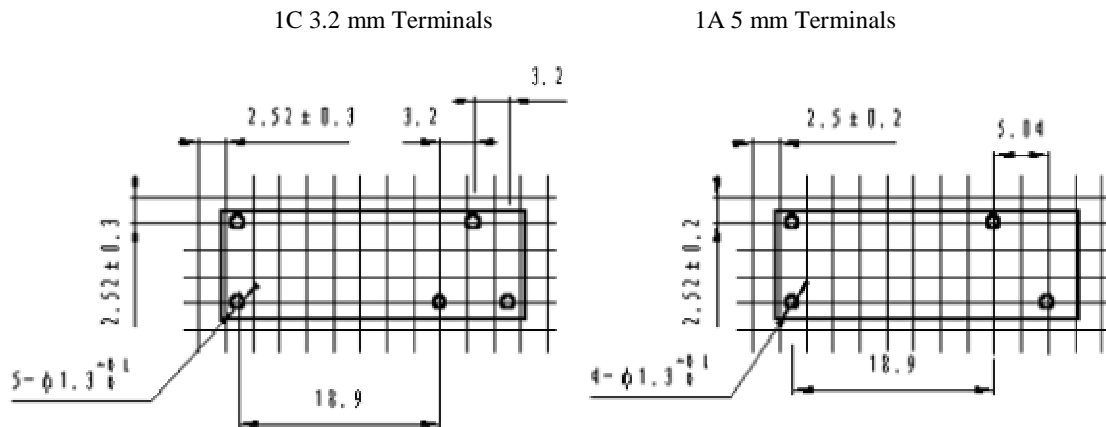
Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
5	113	abt.0.25	70%	10%	240
6	164				
12	617				
18	1295				
24	2350				
48	9600				
60	12500				

DIMENSIONS

Unit: mm



PCB LAYOUT (T=2.52 ± 0.02mm)



WIRING SCHEMATIC

