



• Ultra-small type with dimensions.

• High sensitivity: 200mW nominal operating power

• Sealed type available

• Low coil power consumption

## SPECIFICATIONS

Contact		Characteristics			
	WJ103		WJ103(0.36W)	WJ103(0.2W)	
Arrangement	1 Form C	Operate Time	Max.8msec.	Max.10msec.	
Contact Material	Silver alloy	Release Time	Max.4msec.		
Contact Resistance (By voltage 6V 1A)	Max.100m $\Omega$	Operating humidity	45 to 85% RH		
Rating	3A 120VAC/24VDC	Initial breakdown voltage	500VAC (50/60Hz)for 1 min. 500VAC (50/60Hz)for 1 min.		
Resistive load (Cos $\phi$ X=1)	1A 120VAC/24VDC	Between coil & contact			
Inductive load (Cos $\phi$ X=0.75 $\sim$ 0.8)	0.3A 120VAC 0.3A 24VDC	Between open contacts	Insulation Resistance		
			Min.100M $\Omega$ (500 VDC)		
		Ambient temperature	-30 $\text{Y}$ $\text{K}$ $\text{Y}$ «+60 $\text{Y}$ $\text{K}$	-30 $\text{Y}$ $\text{K}$ $\text{Y}$ «+75 $\text{Y}$ $\text{K}$	
		Temperature rise(Max.)	45deg.	25deg.	
Max. Switching voltage	120VAC 60VDC	Shock Resistance	Functional	Min.10G	
Max. Switching current	3A		Destruction	Min.100G	
Max. Switching power	600VA 120W	Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of1.5mm	
Expected life (Min.ope)	1 $\text{Y}$ Б10 <sup>7</sup> 1 $\text{Y}$ Б10 <sup>5</sup>		Destruction	10 to 55 Hz at double Amplitude of1.5mm	
Mechanical (at 120 cpm)					
Electrical (at 20 cpm)					
		Unit weight	Approx.3.5g		

## Coil

Nominal operating power	0.2 to 0.45W
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TYPICAL APPLICATION Je1.Telecommunication. 2.Domestic appliance.

3.Office machines. 4.Audio equipment,etc.

## ORDERING INFORMATION

**WJ103** - **1** **C** - **12VDC** **25 $\Omega$**   
**Щ** **Б** **Б** **Б** **Б** **Э**

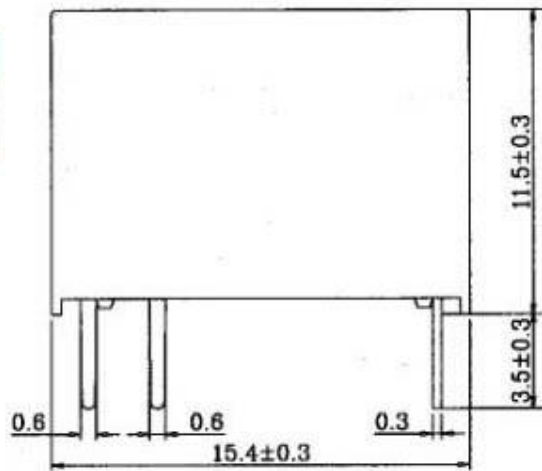
ЩType	БNumber of pole	БContact Arrangement	БCoil Voltage (DC)	ЭCoil Resistance
WJ103	1 : 1pole	A: 1 Form A B: 1 Form B C: 1 Form C	3, 5, 6, 9, 12, 24V	25,70,100,220,400,1600 : 0.36W 45,120,180,400,700,2280 : 0.2W Nil : 0.45W

## COIL DATA (at 20°C)

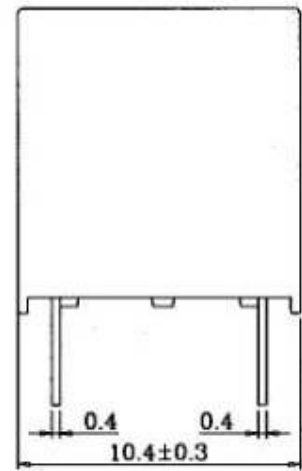
Nominal Voltage (VDC)	Pick-up Voltage VDC(Max.)	Drop-out Voltage VDC(Min.)	Coil Resistance (±A10%)	Nominal operating Power (W)	Coil Resistance (±A10%)	Nominal operating Power (W)	Max.Allowable Voltage
3	2.25	0.15	25	0.36	45	0.2	130% of nominal Voltage
5	3.75	0.25	70		120		
6	4.50	0.30	100		180		
9	6.75	0.45	220		400		
12	9.00	0.60	400		700		

## DIMENSIONS

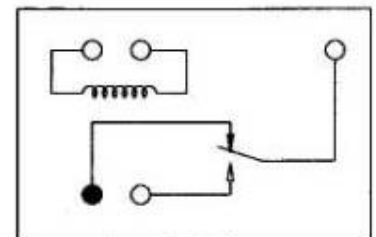
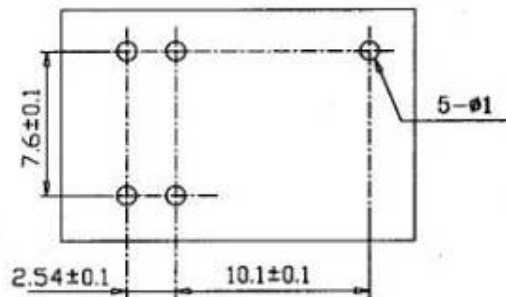
Unit: mm



(BOTTOM VIEW)



(BOTTOM VIEW)



Note: The relative changes for the specification will not be advised in the future.