

L903 SERIES

FEATURES

- Flanged cover suitable for screw fasten or snap-in mounting track.
- 1A (1PST) and 1C (1PDT) contact form.
- Up to 30A switching capacity in 1PST and 20A
- switching in 1PDT arrangement.
- Using at home appliance, power switching appliances, car controller, heating, ventilating, and conditioning systems, etc.



ORDERING INFORMATION

L903 A — 12 A L
 1 2 3 4 5

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|---|------------------------------|
| 1. Type | 3. Coil Nominal Voltage |
| L903 : Out line Connect Type with Flanged Cover | 4. Coil Nominal Voltage Type |
| 2. Contact Arrangement | D : DC |
| Nil : 1 Form C(1PDT) | A : AC |
| A : 1 Form A(1PST-NO) | 5. L:40A |
| B : 1 Form B(1PST-NC) | |

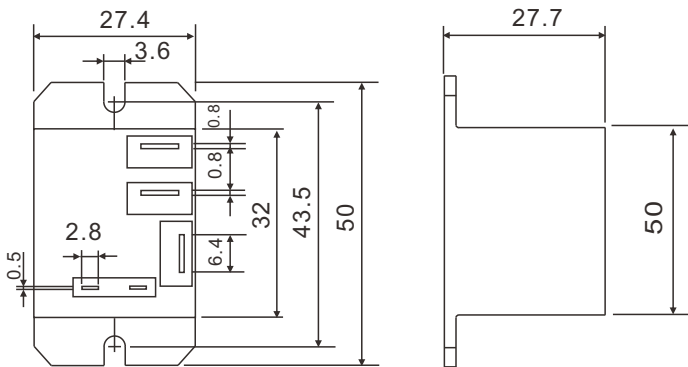
COIL DATA(at 25°C)

DC 0.9 W				AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	27	3.75	0.5	6	10	5.1	0.6
6	40	4.5	0.6	12	43	10.2	1.2
9	97	6.75	0.9	24	160	20.4	2.4
12	155	9.0	1.2	110	3,160	93.5	11.0
18	380	13.5	1.8	220	13,490	187.0	22.0
24	660	18.0	2.4				
48	2,560	36.0	4.8				

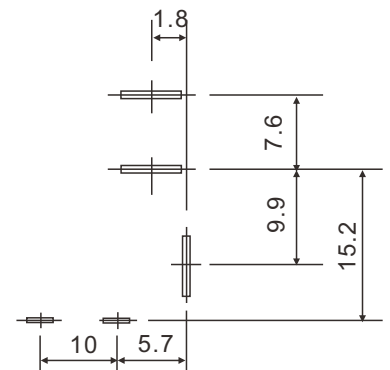
CONTACT RATING

1A(1PST-NO)	Resistive (Cos.θ = 1)	AC 240V / 30A	AC 277V / 20A	DC 30V / 20A
1B(1PST-NC)	Resistive (Cos.θ = 1)	AC 240V / 20A	AC 277V / 15A	DC 30V / 10A
1C(1PDT)	Resistive (Cos.θ = 1)	NO : AC 240V / 30A	NO : AC 277V / 20A	NO:DC 30V / 20A
	Resistive (Cos.θ = 1)	NC : AC 240V / 20A	NC : AC 277V / 15A	NC:DC 30V / 10A
L:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/DC 30V		40A

DIMENSIONS(±0.2mm)

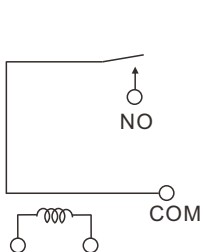


P.C.B LAYOUT
(BOTTOM VIEW)

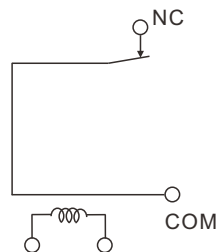


WIRING DIAGRAM(BOTTOM VIEW)

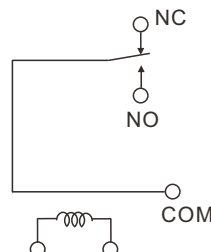
1A



1B



1C



GENERAL DATA

Insulation Resistance	500 MΩ Min. (DC 500V)
Dielectric Strength	1,500 VAC, 50/60Hz between contact.
	2,000 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy.
Contact Resistance	50 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	15 ms max.
Temperature Range	- 55°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	34 grams