

# MSS1

# MASSUSE RELAY

## FEATURES

- Ultra-miniature size (15.2 x 4.2 x 6.95mm)
- Hermetically sealed
- High speed switching
- Low power consumption
- High reliability

## CONTACT DATA

Contact form	1A-NO/NC
Contact resistance (Initial)	150mΩ
Rated carry current	1A
Max. switching voltage	200VDC
Max. switching current	0.5A
Max. switching power	10W
Contact material	Ruthenium

## CHARACTERISTICS

Insulation resistance	Min. 10GΩ
Dielectric strength	1500VDC,coil to contacts 200VDC, open contacts
Operate time (nominal volt.)	Max. 0.5 ms
Release time (nominal volt.)	Max. 0.5 ms
Vibration resistance	Max. 20G.2000Hz
Shock resistance	Max. 50G.11ms, 1/2 sine
Ambient temperature	-35°C to +85°C
Life expectancy	
- Electrical	1 x 10 <sup>7</sup> operations(10vdc,4mA)
- Mechanical	1 x 10 <sup>8</sup> operations

## COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage (VDC) (Max.)	Drop-out voltage (VDC) (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power Consumption(mW)	Max. allowable Voltage (VDC)
3	2.4	0.3	12	250	36	200% of nominal voltage
5	4	0.5	10	500	50	
12	9.6	1.0	12	1000	144	
24	19.2	2.0	12	2000	288	

## ORDERING INFORMATION

MSS1

A

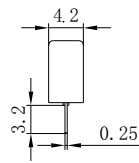
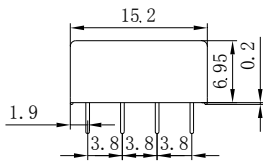
05

M

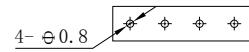
Model No.	Contact Form	Coil Voltage	Magnetic Shield
MSS1	A: 1A-NO B: 1B-NC	3,5,12,24VDC	M: With magnetic shield

Dimensions(unit:mm)

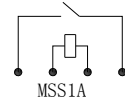
Tolerance:  $\pm 0.3$



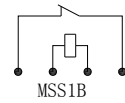
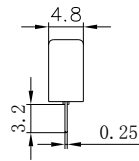
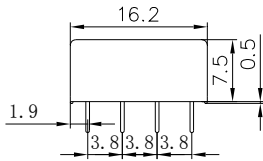
Bottom view  
(PCB LAYOUT)



(SCHEMATIC)



Magnetic Shield



Disclaimer: All the specifications are subject to change without notice.