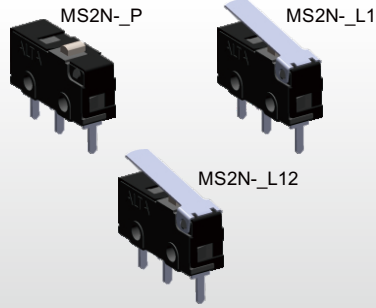




FEATURES

- ※Subminiature switch conforming to UL.
- ※PCB terminal and Solder terminal both available.
- ※Particular items withstand high voltage 1500 VAC / 1min.

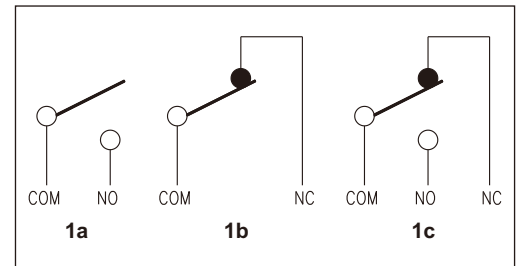
APPLICATION

- ※Kitchen appliances
- ※Vacuum cleaner, Printers
- ※Smart locks
- ※Intelligent lock and low-voltage apparatus

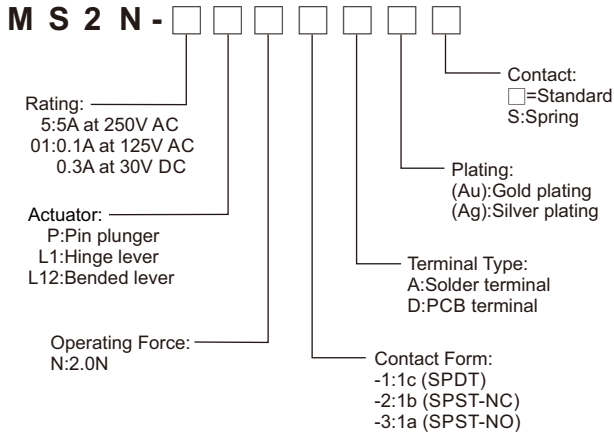
SPECIFICATION

Contact Rating	0.1A at 125V AC/0.3A at 30V DC	MS2N-01
	5A at 250V AC	MS2N-5
Mechanical Durability	1,000,000 cycles	
Electrical Durability	10,000 cycles min	MS2N-01
	Movable type: 50,000 cycles	MS2N-5
	Spring type: 10,000 cycles	
Contact Resistance	100mΩ	MS2N-01
	50mΩ	MS2N-5
Dielectric Strength	Between terminals of same polarity "AC 1000V 1min"	
	Between current-carrying metal parts and ground "AC 2500V 1min"	
	Between each terminal and non-current-carrying metal part "AC 2500V 1min"	
Vibration Resistance	10~55HZ Double amplitude: 1.5mm (For Pin Plunger)	
Shock Resistance	300m/s ² (For Pin Plunger)	
Operating Speed	0.1~1mm/s (Without Load)	
Operating Frequency	300/min (Without Load)	
Operating Temp.	-40°C ~ +105°C	

CIRCUIT



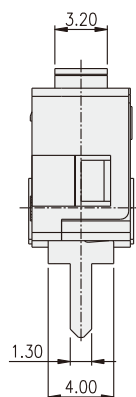
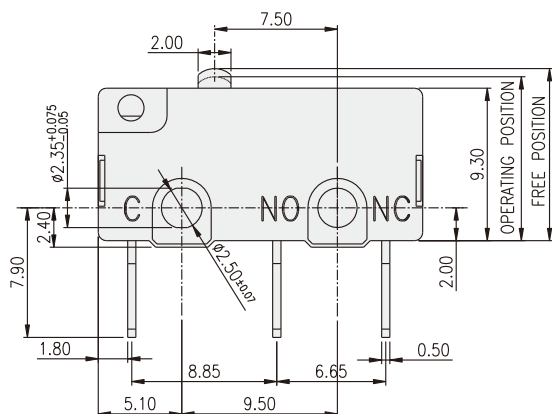
HOW TO ORDER



TYPE

Actuator	Terminal Type	Standard Type		Spring Type	
		Silver Alloy	Gold Alloy	Silver Alloy	Gold Alloy
Pin Plunger	Solder Terminal	MS2N-5PN-1A(Ag)	MS2N-01PN-1A(Au)	MS2N-5PN-1A(Ag)s	MS2N-01PN-1A(Au)s
		MS2N-5PN-2A(Ag)	MS2N-01PN-2A(Au)	MS2N-5PN-2A(Ag)s	MS2N-01PN-2A(Au)s
		MS2N-5PN-3A(Ag)	MS2N-01PN-3A(Au)	MS2N-5PN-3A(Ag)s	MS2N-01PN-3A(Au)s
	PCB Terminal	MS2N-5PN-1D(Ag)	MS2N-01PN-1D(Au)	MS2N-5PN-1D(Ag)s	MS2N-01PN-1D(Au)s
		MS2N-5PN-2D(Ag)	MS2N-01PN-2D(Au)	MS2N-5PN-2D(Ag)s	MS2N-01PN-2D(Au)s
		MS2N-5PN-3D(Ag)	MS2N-01PN-3D(Au)	MS2N-5PN-3D(Ag)s	MS2N-01PN-3D(Au)s
Hinge Lever	Solder Terminal	MS2N-5L1N-1A(Ag)	MS2N-01L1N-1A(Au)	MS2N-5L1N-1A(Ag)s	MS2N-01L1N-1A(Au)s
		MS2N-5L1N-2A(Ag)	MS2N-01L1N-2A(Au)	MS2N-5L1N-2A(Ag)s	MS2N-01L1N-2A(Au)s
		MS2N-5L1N-3A(Ag)	MS2N-01L1N-3A(Au)	MS2N-5L1N-3A(Ag)s	MS2N-01L1N-3A(Au)s
	PCB Terminal	MS2N-5L1N-1D(Ag)	MS2N-01L1N-1D(Au)	MS2N-5L1N-1D(Ag)s	MS2N-01L1N-1D(Au)s
		MS2N-5L1N-2D(Ag)	MS2N-01L1N-2D(Au)	MS2N-5L1N-2D(Ag)s	MS2N-01L1N-2D(Au)s
		MS2N-5L1N-3D(Ag)	MS2N-01L1N-3D(Au)	MS2N-5L1N-3D(Ag)s	MS2N-01L1N-3D(Au)s
Simulated Roller Lever	Solder Terminal	MS2N-5L12N-1A(Ag)	MS2N-01L12N-1A(Au)	MS2N-5L12N-1A(Ag)s	MS2N-01L12N-1A(Au)s
		MS2N-5L12N-2A(Ag)	MS2N-01L12N-2A(Au)	MS2N-5L12N-2A(Ag)s	MS2N-01L12N-2A(Au)s
		MS2N-5L12N-3A(Ag)	MS2N-01L12N-3A(Au)	MS2N-5L12N-3A(Ag)s	MS2N-01L12N-3A(Au)s
	PCB Terminal	MS2N-5L12N-1D(Ag)	MS2N-01L12N-1D(Au)	MS2N-5L12N-1D(Ag)s	MS2N-01L12N-1D(Au)s
		MS2N-5L12N-2D(Ag)	MS2N-01L12N-2D(Au)	MS2N-5L12N-2D(Ag)s	MS2N-01L12N-2D(Au)s
		MS2N-5L12N-3D(Ag)	MS2N-01L12N-3D(Au)	MS2N-5L12N-3D(Ag)s	MS2N-01L12N-3D(Au)s

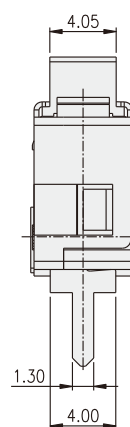
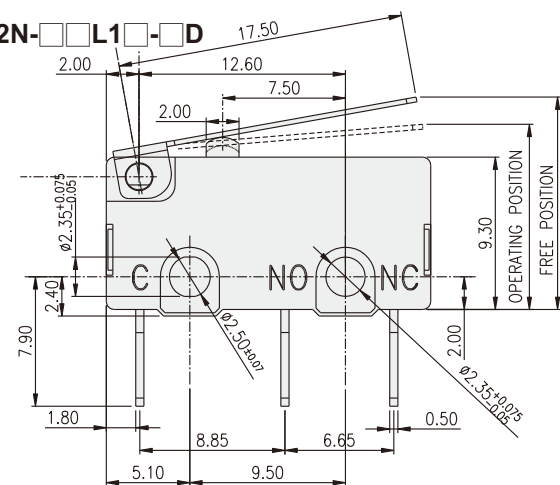
MS2N-□□P□-□D



OPERATING CHARACTERISTICS

ITEM	SPEC.
OPERATING FORCE	2.0N MAX
RELEASE FORCE	0.25N MIN.
PRE TRAVEL	0.60mm MAX.
OVER TRAVEL	0.50mm MIN.
MOVEMENT DIFFERENTIAL	0.20mm MAX.
OPERATING POSITION	10.10±0.5 mm
FREE POSITION	-

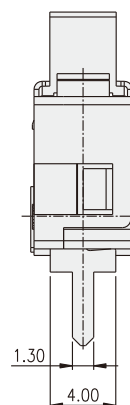
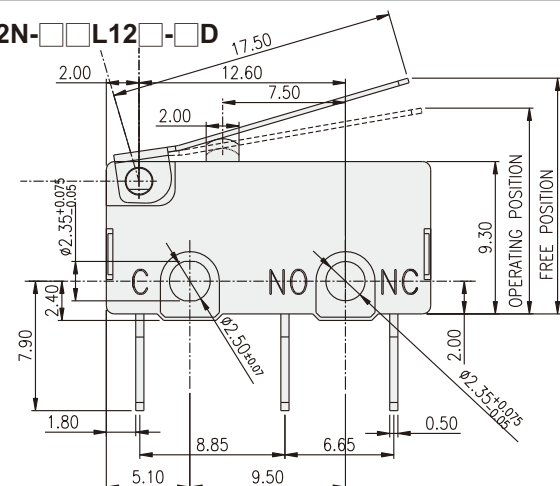
MS2N-□□L1□-□□



OPERATING CHARACTERISTICS

ITEM	SPEC.
OPERATING FORCE	0.70N MAX
RELEASE FORCE	0.02N MIN.
PRE TRAVEL	—
OVER TRAVEL	0.50mm MIN.
MOVEMENT DIFFERENTIAL	0.80mm MAX.
OPERATING POSITION	10.60±0.80 mm
FREE POSITION	13.60mm MAX

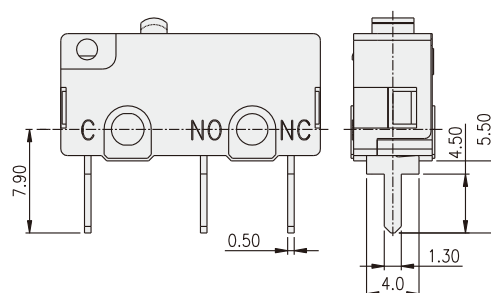
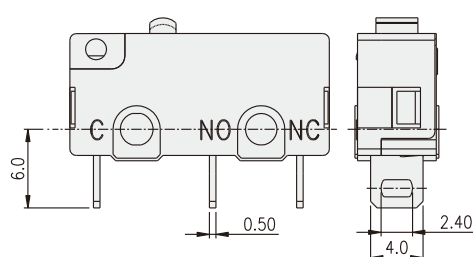
MS2N-□□L12□-□D



OPERATING CHARACTERISTICS

ITEM	SPEC.
OPERATING FORCE	0.70N MAX
RELEASE FORCE	0.094N MIN.
PRE TRAVEL	-
OVER TRAVEL	0.50mm MIN.
MOVEMENT DIFFERENTIAL	0.50mm MAX.
OPERATING POSITION	12.55±0.90 mm
FREE POSITION	14.45mm MAX

TERMINAL TYPE



A(Solder terminal)

D(PCB terminal)