



Industrial & Electrical Components

Subminiature General  
Micro Switch

Part No.

NS-10G  
NS-5G



- Economical, subminiature, long service life
- Free from overtravel restrictions, easy setting
- Standard operating force, low force models
- Housing material PMC or PBT
- RoHS Compliant

**ORDERING INFORMATION**

NS-   -  -     
 ① ② ③ ④ ⑤ ⑥

**1. Ratings**

5: 5A at 250VAC  
10: 10A at 250VAC

**2. Actuator**

None: Pin plunger  
Z: Hinge lever  
W: Simulated roller lever  
G: Hinge roller lever

**3. Maximum Operating Force**

None: 1.47N  
F: 0.59N

**4. Contact Form**

None: SPDT  
2: SPST-NC  
3: SPST-NO

**5. Terminals**

None: Solder terminals  
T: Quick-connect terminal (#110)  
D: PCB terminals (Even pitch)  
D1: Left angle PCB terminals  
D2: Right angle PCB terminals

**6. Shell Material**

None: PMC  
P: PBT

**SAFETY APPROVAL**

UL61058

CSA-C22.2 No.61058-1

Rated voltage	NS-10	NS-5
AC125V	—	5A
AC250V	10A	5A
30VDC	—	5A

ENEC (EN61058-1)

Rated voltage	SL- J10	SL- J5
AC125V	—	5A
AC250V	0.5A	5A
30VDC	—	5A

CQC

GB15092.1

Rated voltage	SL- J10	SL- J5
AC125V	10A	5(2)A
AC250V	10A	5(2)A

## TECHNICAL DATA

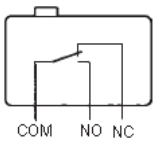
Item Type	NS-10G / NS-5G	
Allowable operating speed	0.1~1000mm/s	
Operating frequency	Mechanical	400 times/min
	Electrical	30 times/min
Insulation resistance	Min.:100MΩ	
Contact resistance	Max.:50mΩ	
Dielectric strength	BTW same polarity terminals	AC1000V 50/60Hz 1min
	BTW current-carrying parts	AC1500V 50/60Hz 1min
	BTW terminal & metal parts	AC1500V 50/60Hz 1min
Vibration resistance	Malfuction	10~55Hz amplitude 1.5mm
Shock resistance	Durable	1000m/s
	Malfuction	300m/s
Expected life	Mechanical life	1x10 <sup>6</sup> (60 operations/minute)
	Electrical life	1x10 <sup>5</sup> (30 operations/minute)
Protaction degree	IEC IP40	
Ambient operation temperature	-20°C~+125°C	
Ambient humidity	60%RH	
Weight	Approx. 1.6 g pin plunger type	

## CONTACT SPECIFICATION

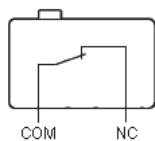
Item		NS-10G	NS-5G
Specification		Rivet	
Material		Silver alloy	
Gap (Standard value)		0.5mm	
Inrush current	NC	20A max.	20A max.
	NO	15A max.	10SA max.
Minimum applicable load		160mA at 5VDC	

## CONTACT FORM

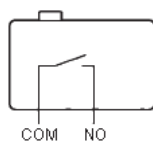
SPDT



SPST-NC

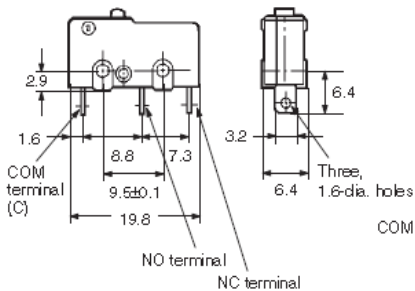


SPST-NO

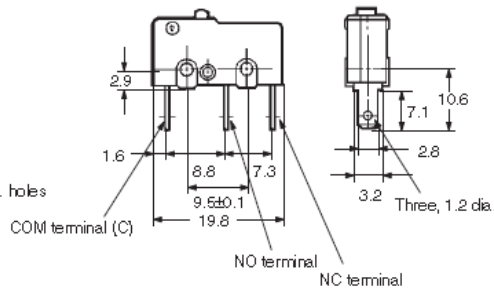


## TERMINAL

Solder Terminal



Quick-connect Terminal (#110)



PCB Terminal

