

**ENGLISH** 

# Datasheet Sub-Miniature Pushbutton Switch



IP 67 ACCORDING TO EN 60529 1991+A1 2001





# **Package Contain:**

1x Nut 1x Locking Washer 1x Splash Proof O-Ring

# **Specifications:**

SWITCH TYPE: PUSHBUTTON

POLES/THROWS: SPST

SWITCH FUNCTIONS: OFF-MOM

#### **ELECTRICAL CHARACTERISTICS**

CONTACT RATING: 500mA 48VAC-200mA 50VDC-200mA 250VAC

ELECTRICAL LIFE: 500,000 make-and-break cycles at full load

CONTACT RESISTANCE: 50m-ohms max.
INSULATION RESISTANCE: 1GΩmin. at 500VDC

DIELECTRICAL STRENGTH: 1500VAC rms
OPERATING TEMPERATURE: -30°C to +85°C

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.





### **Specifications:**

**RELAIBILITY PERFORMANCE** 

MECHANICAL LIFE: Without load, 1,000,000 cycles min

OPERATING FORCE: 2N~5N max

TORQUE: 1.5 Nm max. (applied to nut.)

IP PROTECTION CLASS: IP67( Upper side:Protected against the effects

of temporary immersion in water.)

SOLDERING HEAT RESISTANCE: Max soldering temperature @ 260±5°C,

immersion time 5±1sec

COLD TEST: Stored at temperature  $-30(+/-3)^{\circ}$ C for 96 hours,

shall result no changes to switch's electrical

performance

HOT TEST: Stored at temperature  $+85(+/-3)^{\circ}$ C for 96 hours,

shall result no changes to switch's electrical

performance

HUMIDITY TEST: Stored at temperature  $40(+/-2)^{\circ}$ C with relative

humidity 90%~95% for 96 hours, shall result no

changes to switch's electrical performance

**MATERIAL CHARACTERISTICS** 

CASE: DAP

CAP BUSHING: Polyamide 6/6

CONTACT TERMINAL: Gold over silver plated

**SOLDERING & CLEANING RECOMMENDATION** 

HAND SOLDERING: Max. temperature @ 350Celsius degree with

continuous soldering time @ 5sec. max.

CLEANING PROCESS: Noted, the switch is "not totally sealed" so it is

important not to immerse/spray or clean

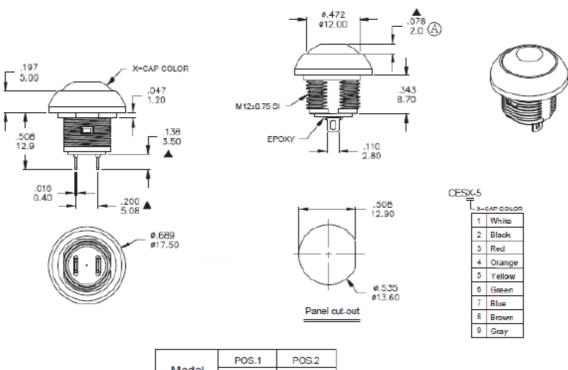
unsealed areas of the switch during flux removal. Improper cleaning could cause switch deficiencies such as intermittence or open contact failures





RS P/N

| 113 1 / 14                                      |         |
|---|---------|
| Single Pole off / Momentary Square Black Chrome | 8919839 |
| Single Pole off / Momentary Square Red Chrome   | 8919832 |
| Single Pole off / Momentary Square Blue Chrome  | 8919836 |
| Single Pole off / Momentary Square White Chrome | 8919845 |
| Single Pole off / Momentary Square Green Chrome | 8919848 |



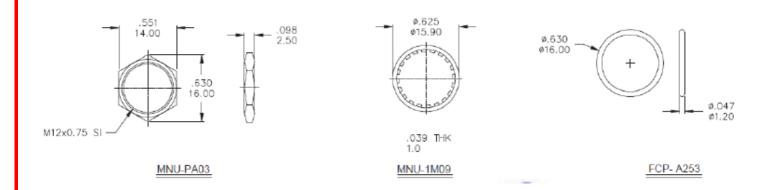
|               | POS.1 | 3.1 POS.2 |  |
|---------------|-------|-----------|--|
| Model<br>No.  | 4     | •         |  |
| PAS6          | OFF   | MOM       |  |
| Tem.<br>Comm. | OPEN  | SHORT     |  |
| SCHEMATIC     | OPEN  | -(²-      |  |

SWITCH FUNCTION



**ENGLISH** 

# **HARDWARE**



| L | PART NO. | PART NAME       | Q'TY |
|---|----------|-----------------|------|
| 1 | MNU-PA03 | M12 X 0.75 NUTS | 1    |
| 2 | MNU-1M09 | LOCKING WASHER  | 1    |
| 3 | FCP-A253 | O-RING          | 1    |