Parameter description

Metal power switch button
Series G

Parameter Description

Electrical parameters

**power level(silvering):** 5A@125V AC or 3A@250V AC or 3A@30V DC

Other Ratings

- **Contact Resistance:** The contact is made of silver alloy, and the maximum resistance is 50m Ω; The maximum value of gold plating of contact material is 30m Ω
- **Insulation Resistance:** 200 megohms minimum @ 500V DC
- **Dielectric Strength:** 1,900V AC minimum between contacts for 1 minute minimum
- **Mechanical Life:** Self reset type / more than 500000 times
- **Self locking type / more than 250000 times**
- **Electrical Life:** 250,000 operations minimum
- **Nominal Operating Force:** Approx.: 1.5N
- **Contact Type:** 1NO
- **Travel:** Pretravel .059”(1.5mm); Overtravel .059”(1.5mm); Total Travel .118”(3.0mm)

Materials & Finishes

- **Button:** Nickel plated brass
- **shell:** Nickel plated brass
- **Base:** PA66
- **Movable Contactor:** Silver-plated brass
- **Static contact pin:** Silver-plated brass
- **Active rod:** PA66
- **Compression spring:** SUS304

Environmental Data

- **Operating Temperature Range:** -30°C through +85°C
- **Humidity:** 90~95% humidity for 240 hours @ 40°C
- **Vibration:** 10~55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours
- **Sealing:** IP66

Installation

- **Installation aperture:** 16/19/22mm
- **Soldering Time & Temperature:** The welding time is 3 seconds and the welding temperature is not higher than 280 °C
Size and material application

16G-P1

16G-Q1

16G-G1
Size and material application

**19G-P1**

**19G-Q1**

**19G-G1**
Series G

Size and material application

22G-P1

22G-Q1

22G-G1
Series G

Size and material application

16G-G0

16G-P0

16G-Q0
Size and material application

19G-G0

19G-P0

19G-Q0
Series G

Size and material application

**22G-G0**

![Diagram of 22G-G0]

**22G-P0**

![Diagram of 22G-P0]

**22G-Q0**

![Diagram of 22G-Q0]