Parameter description

Metal power switch button

16A
Parameter Description

Electrical Capacity ( Resistive Load)

- **power level(silvering):** 1.5A@125V AC or 1A@250V AC or 1.5A@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:** 1NO1NC
- **Travel:** Pretravel .059"(1.5mm); Overtravel .059"(1.5mm); Total Travel .118"(3.0mm)

Materials & Finishes

- **Button:** SUS304 Stainless Steel
- **shell:** SUS304 Stainless Steel
- **Base:** PA66
- **Movable Contactor:** Silver-plated brass
- **Static contact pin:** Silver-plated brass
- **Active rod:** PA66
- **Compression spring:** SUS304
- **Wire:** 26AWG/2P parallel

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:** IP65

Installation

- **Installation aperture:** 16mm
- **Soldering Time & Temperature:** The welding time is 3 seconds and the welding temperature is not higher than 280 °C
**16A Standard model illustration example**
Switch configuration and accessories

- PA66 flame retardant material
- 20AWG wire
- Total line length 150mm
- Stripping length 3~5mm

20AWG wire is tinned, with a stripping length of 3~5mm and a total line length of 150mm.
Serie 16A

Size and material application

16A-G1 16A-P1

16A-P1 -EC

16A-P1-C 16A-G1-C

16A-P1-E 16A-G1-E

Cover General Specifications Feature Description Structure Size