

motoRobit.com

Parameter description **16A**



Metal

power switch button

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

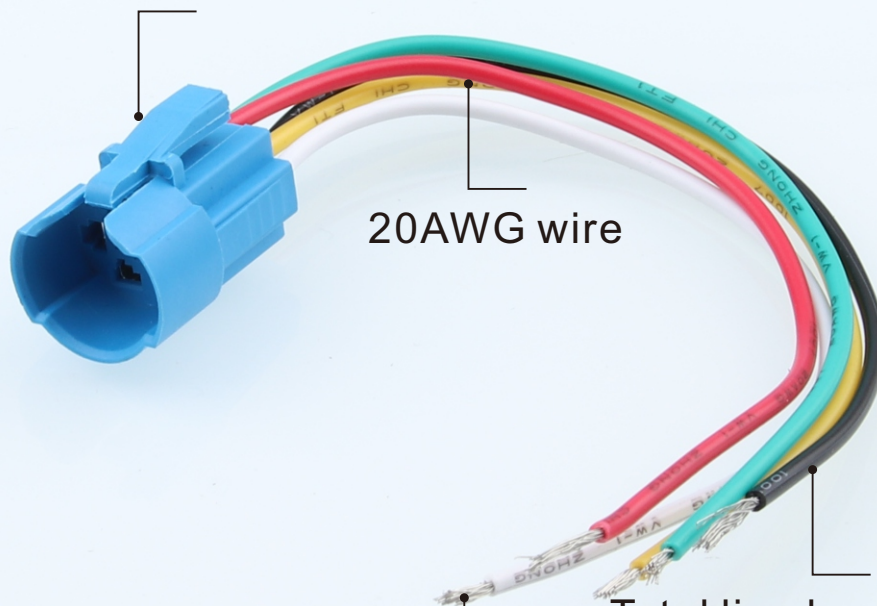
Installation

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

Size and material application

16A-G1
16A-P1

16A-P1 -EC

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

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

