

motoRobit.com

Parameter description **12A**



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: 1NO

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

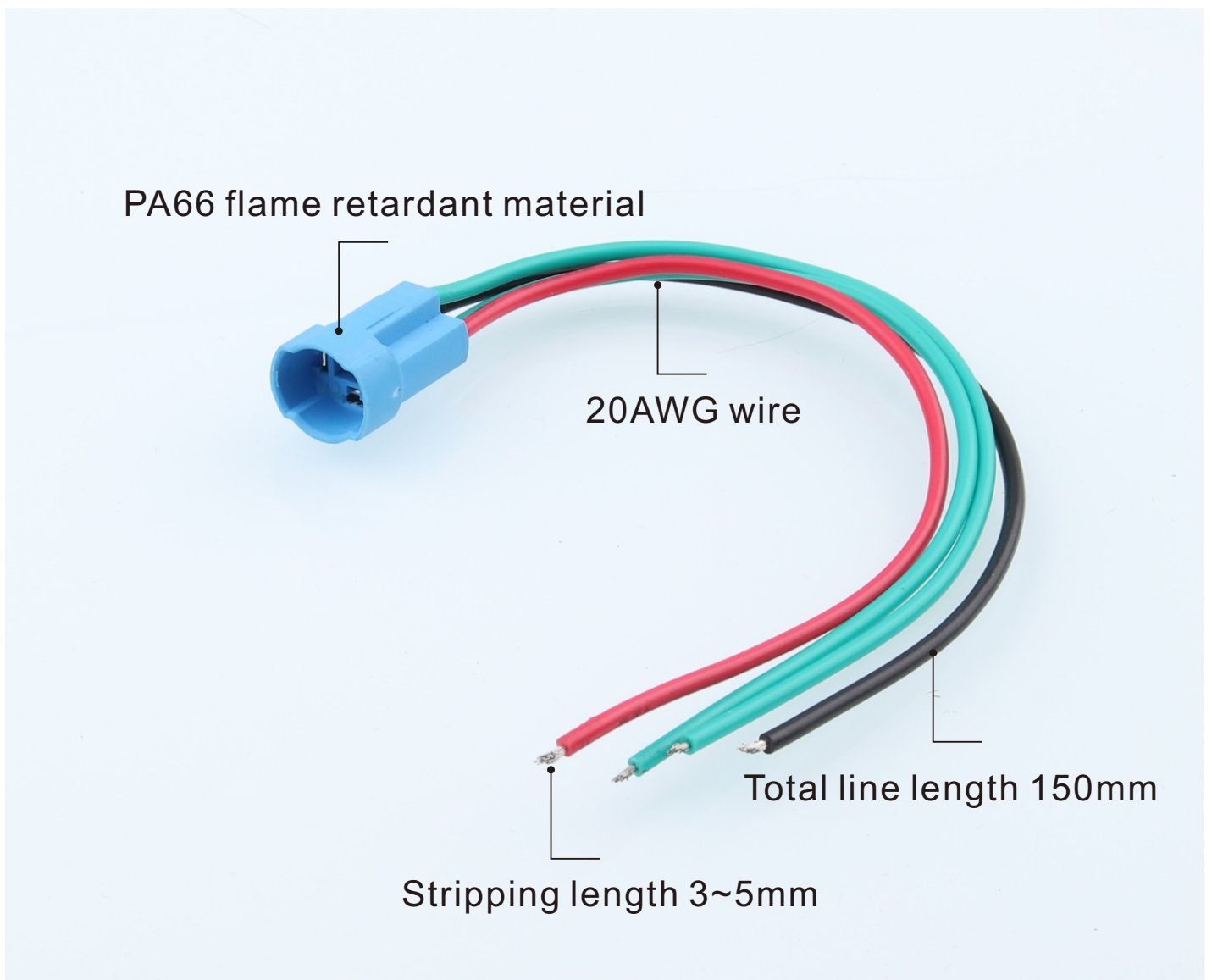
Installation

Installation aperture: 12mm

Soldering Time & Temperature: The welding time is 3 seconds and the welding temperature is not higher than 280 °C

12A

Standard model illustration example
Switch configuration and accessories



Size and material application

12A-G1
12A-P1

12A-P1 -EC

12A-P1-C
12A-G1-C

12A-P1-E
12A-G1-E

