

# Footswitches FS-61 SERIES

## Features:

- Robust aluminum alloy die cast body
- Choice of different type of contact blocks
- Water-proof to IP65 (IP67 available on special request)
- Galvanically separated contacts
- Screw terminals with self-lifting clamps for easy wiring
- Positive Opening of NC contacts
- Safety reset option available
- UL/cUL approval(E216958)
- Threaded Hole available in: PG13.5, M20x1.5 and 1/2NPT

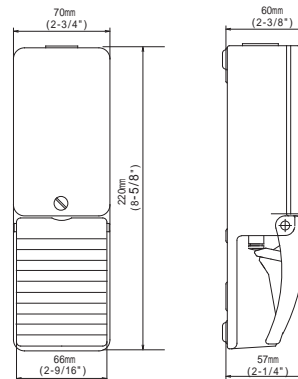
## Specifications:

Operating Frequency	60 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ
Rated Current/Voltage	10A/600V AC A600/AC15 Q300/DC13
Inrush Current	Complies with IEC947-5-1: AC15/DC13
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1 x 10 <sup>6</sup> (operations) Electrically 5 x 10 <sup>5</sup> (operations)
Operating Temperature	-30~+80°C (-22~176°F)
Degree of Protection	IP65 (IP67 available on request)

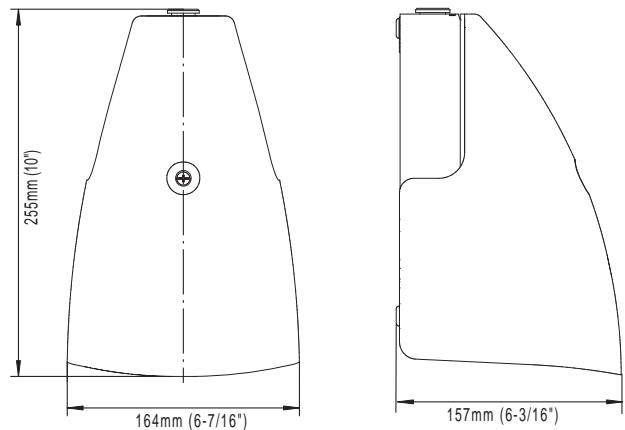
## Dimensions:



Model : FS-61



Model : FS-61..G

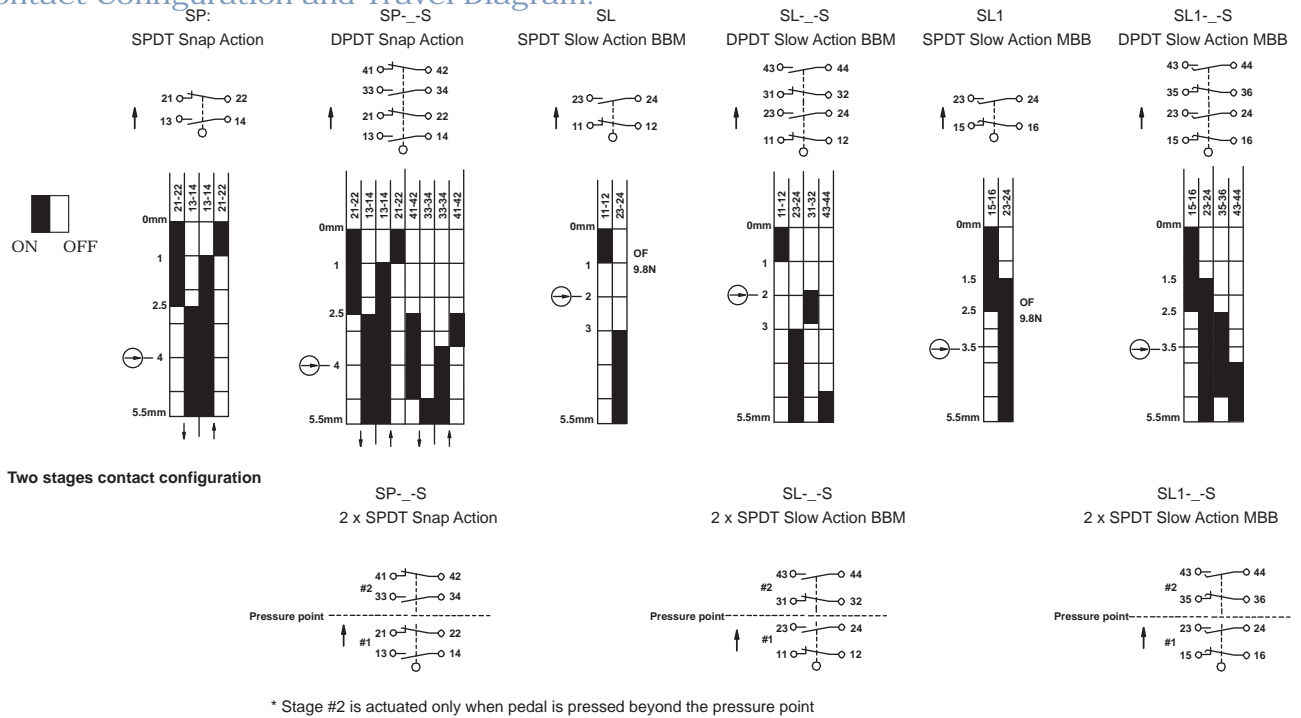


## Selection Guide:

<b>FS-61 - G</b>	<b>SP</b>	<b>C</b>	<b>-</b>	<b>-</b>	<b>-</b>
Guarding Options	Contact Block Type	Conduit Type	Option #1	Option #2	Option #3
Blank: No Guard	SP: 1NO/1NC Snap action	A: 1/2NPT	Blank:	blank:	blank: Silver Contact
G: Fully Guarded	SL: 1NO/1NC Slow Action BBM	B: PG13.5	D: Maintained	S: 2 stages	K: Gold Plated Contacts
	SL1: 1NO/1NC Slow Action MBB	C: M20 x1.5	A: Anti-Tripped		
	V: 10K Potentiometer				

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## Contact Configuration and Travel Diagram:



## Safety Footswitch FS61-SP .. R

This is a special design foot switch with two stage momentary contacts. There are noticeable resistance between stage one and stage two. When pressing the pedal without reaching the pressure point, the foot switch operates in the normal model. In case of emergency, the user depresses the foot pedal even harder instead of releasing the pedal. This special safety foot switch will break electrical contact and locked. The manual reset button need to be pushed before it can operate in normal model. This can quickly prevent damage to the machine or injury to human life.



## Operating Sequence:

- "OFF"** **Step 1:** The pedal is not depressed. The contacts are open. The machine is turned off.
- "ON"** **Step 2:** To start the machine, the pedal must be depressed until the "pressure point", where resistance is noticeable.
- "EMERGENCY - OFF"** **Step 3:** In an emergency, if the pedal is depressed beyond the pressure point, the machine will stop. Beyond the pressure point, the contacts are locked in the "OFF" - Position. The machine cannot operate at this time. Note: The machine can also be stopped, by releasing the pedal instead of depressing harder. (Back to Step 1)
- "RESET"** **Step 4:** The push button on the side of the foot switch must be pushed by hand to enable the foot switch to start the machine function again.
- "ON"** **Step 5:** Return to condition described in Step 2.