





2020

Industrial Foot Switch http://www.suns-usa.com





*Innovation *Quality *Service



SUNS International is a leading manufacturer of high quality medical and industrial control products. We have developed a complete range of medical and industrial foot switches to suit your application. We also offer an extensive line of limit switches, safety switches, micro switches and proximity switches. Manufactured in ISO9001:2008 certified facilities and certified by UL, CSA, CE and CCC, SUNS products are reliable, competitive and are widely used in:

Surgical & Dental Applications
Hospital Bed Control
X-ray Machines
Robotics
Materials Handling
Metal Forming Machines
Packaging Machinery
Aerial Lift Equipments





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FS-1 Series Light Duty Foot Switches

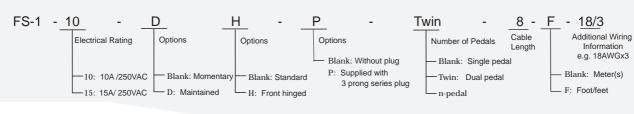
Features

- Low cost foot switch for light to medium duty applications
- Available in standard model and ergonomic (front hinged) model
- Black painted steel housing with nonskid base pad and foot treadle pad
- UL/CSA/CE/CCC certified

Specifications

Operating Frequency	60 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25m $Ω$ (initial)
Rated Current/Voltage	10A/15A 250VAC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1×10^6 (operations) Electrically 5×10^5 (operations)
Operating Temperature	-20°C to +80°C (-4°F to + 176°F)
Degree of Protection	IP20/NEMA 1 (IP68/NEMA 6,6P available upon request)

Selection Guide:



Dimensions:

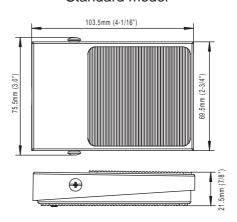
FS-1-15 (Not wired)

FS-1-10-2-18/3 (Prewired 2 meters 18AWGx3 1NO)

FS-1-10-P-8F-18/3 (Prewired 8ft 18AWGx3 with series plug)



Standard model

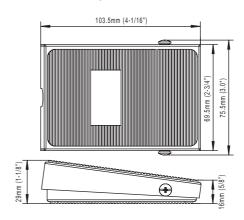


FS-1-15-H (Front hinged, not wired)

FS-1-10-H-2-18/3 (Front hinged, prewired 2 meters 18AWGx3 1NO)



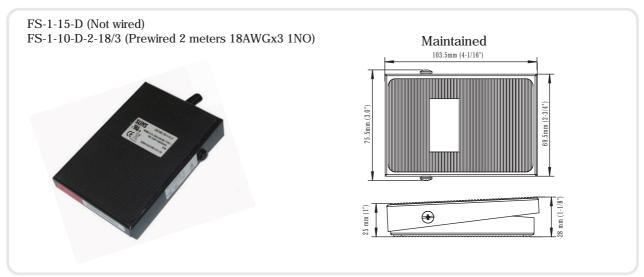
Front hinged (suffix add -H)

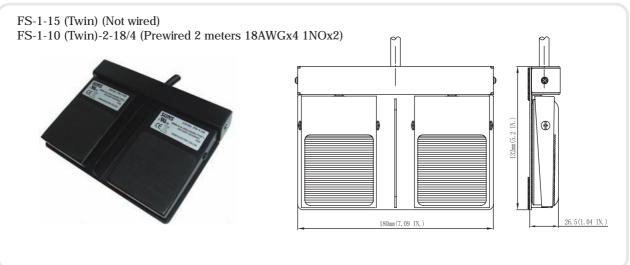


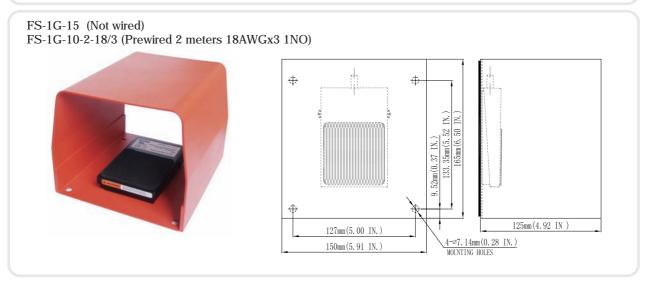




FS-1 Series Light Duty Foot Switches



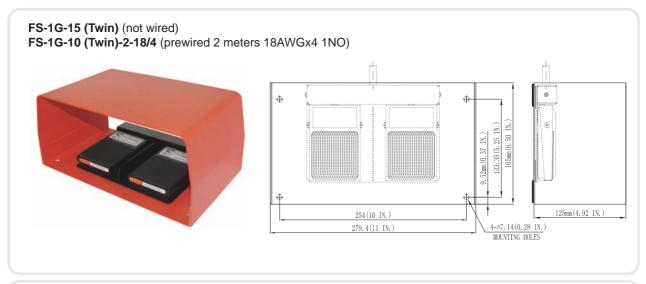


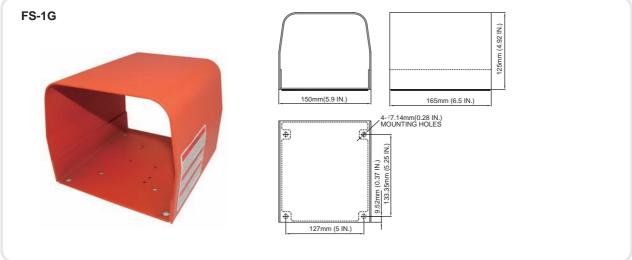


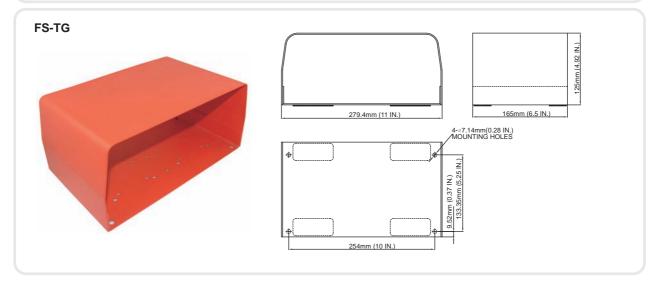




FS-1 Series Light Duty Foot Switches









FS-81 Series Foot Switches

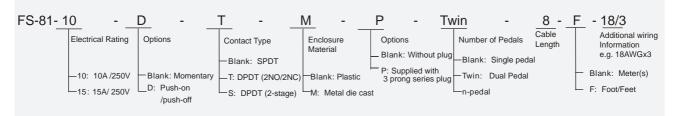
Features

- Robust glass fiber reinforced plastic or zinc die cast body
- UL/CSA/CE/CCC certified
- Custom color/wiring available

Specifications

Operating Frequency	60 ops/min					
Insulation Resistance	>100MΩ@500V DC					
Contact Resistance	<25mΩ (initial)					
Rated Current/Voltage	10A/15A, 1/2HP, 125/250VAC					
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts					
Service Life	Mechanically 1 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)					
Operating Temperature	-20~+80°C (-4~176°F)					
Degree of Protection	IP20/NEMA 1 (IP68/NEMA 6,6P available upon request)					

Selection Guide:



Part Number	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FS-81-15	Momentary	No	No	No	1	SPDT	IP20	15A/250VAC
FS-81-10-2-18/2	Momentary	No	No	No	1	SPDT	IP20	10A/250VAC
FS-81-15-D	Maintained	No	No	No	1	SPDT	IP20	15A/250VAC
FS-81-10-D-2-18/2	Maintained	No	No	No	1	SPDT	IP20	10A/250VAC
FS-81-15-T	Momentary	No	No	No	1	DPDT	IP20	15A/250VAC
FS-81-15-S	Momentary	No	No	No	2	DPDT	IP20	15A/250VAC





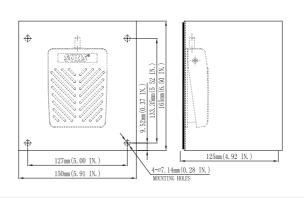


FS-81 Series Foot Switches



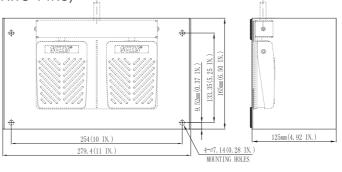
FS-81G-15(not wired) FS-81G-10-2-18/2(perwired 2 meters 18AWG*2 1NO)











FSP-1G(Plastic)

(VI & 9) = 0.05 | 168mm (6, 61 IN.)



FS-9 Series Compact Foot Switches

Features

- Robust glass fiber reinforced plastic or zinc die cast body
- Four switch ratings available: 10A:1/2HP 125/250VAC

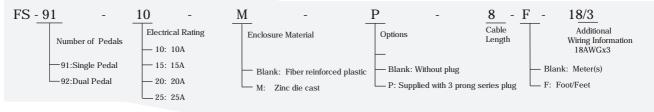
15A:3/4HP 125VAC, 1-1/2HP 250VAC 20A:1-1/2HP 125VAC, 2HP 250VAC 25A:1-1/2HP 125VAC, 2HP 250VAC

- UL/CSA/CE/CCC certified
- Custom color/wiring available

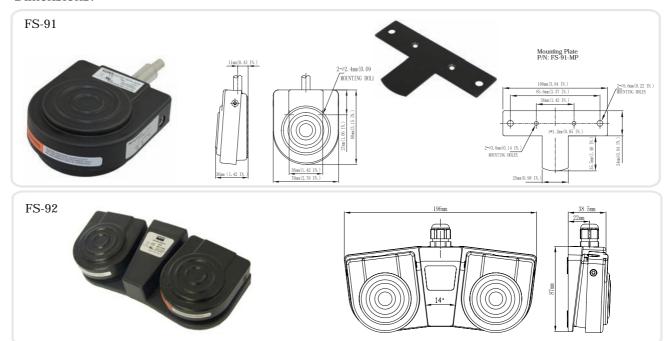
Specifications

Operating Frequency	60 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	$<25m\Omega$ (initial)
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1×10^6 (operations) Electrically 5×10^5 (operations)
Operating Temperature	-20~+80°C (-4~176°F)
Degree of Protection	IP20/NEMA 1 (IP68/NEMA 6,6P available upon request)

Selection Guide:



Part Number	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FS-91-20	Momentary	No	No	No	1	SPDT	IP20	20A:1-1/2HP 125VAC,2HP 250VAC
FS-91-20-M	Momentary	No	No	No	1	SPDT	IP20	20A:1-1/2HP 125VAC,2HP 250VAC
FS-91-10-2-18/3	Momentary	No	No	No	1	SPDT	IP20	10A:1/2HP 125/250VAC
FS-91-10M-2-18/3	Momentary	No	No	No	1	SPDT	IP20	10A:1/2HP 125/250VAC
FS-91-15-2-14/3	Momentary	No	No	No	1	SPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FS-91-15-M-2-14/3	Momentary	NO	No	No	1	SPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FS-92-20	Momentary	No	No	No	1	SPDT	IP20	20A:1-1/2HP 125VAC,2HP 250VAC
FS-92-20-M	Momentary	No	No	No	1	SPDT	IP20	20A:1-1/2HP 125VAC,2HP 250VAC
FS-92-10-2-18/4	Momentary	No	No	No	1	SPDT	IP20	10A:1/2HP 125/250VAC
FS-92-10-M-2-18/4	Momentary	No	No	No	1	SPDT	IP20	10A:1/2HP 125/250VAC
FS-92-15-2-14/4	Momentary	No	No	No	1	SPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FS-92-15-M-2-14/4	Momentary	No	No	No	1	SPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC





FSC-3 Series Medium Duty Foot Switches

Features

- Robust Aluminum alloy body
- Four switch ratings available: 10A:1/2HP 125/250VAC

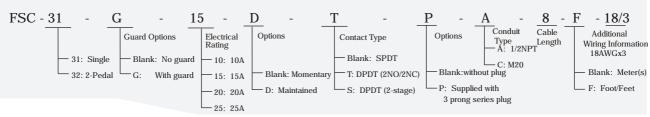
15A:3/4HP 125VAC, 1-1/2HP 250VAC 20A:1-1/2HP 125VAC, 2HP 250VAC 25A:1-1/2HP 125VAC, 2HP 250VAC

- UL/CSA/CE/CCC certified
- Custom color/wiring available

Specifications

Operating Frequency	60 ops/min					
Insulation Resistance	>100MΩ@500V DC					
Contact Resistance	$<25 m\Omega$ (initial)					
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts					
Service Life	Mechanically 1×10^6 (operations) Electrically 5×10^5 (operations)					
Operating Temperature	-30~+80°C (-22~176°F)					
Degree of Protection	IP20/IP65					

Selection Guide:



Part Number	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FSC-31-20	Momentary	No	No	No	1	SPDT	IP65	20A:1-1/2HP 125VAC,2HP 250VAC
FSC-31G-20	Momentary	Yes	No	No	1	SPDT	IP65	20A:1-1/2HP 125VAC,2HP 250VAC
FSC-31-10-2-18/3	Momentary	No	No	No	1	SPDT	IP65	10A:1/2HP 125/250VAC
FSC-31-15-2-14/3	Momentary	No	No	No	1	SPDT	IP65	15A:3/4HP 125VAC,1-1/2HP 250VAC
FSC-31-10-TD	Momentary	No	No	No	1	DPDT	IP65	10A:1/2HP 125/250VAC
FSC-31-20-D	Maintained	No	No	No	1	SPDT	IP20	20A:1-1/2HP 125VAC,2HP 250VAC
FSC-31-10-D-2-18/3	Maintained	No	No	No	1	SPDT	IP20	10A:1/2HP 125/250VAC
FSC-31-15-D-2-14/3	Maintained	No	No	No	1	SPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FSC-31-15-T	Momentary	No	No	No	1	DPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FSC-31-15-S	Momentary	No	No	No	2	DPDT	IP20	15A:3/4HP 125VAC,1-1/2HP 250VAC
FSC-32-20	Momentary	No	No	No	1	SPDT	IP65	20A:1-1/2HP 250VAC,2HP 250VAC
FSC-32G-20	Momentary	Yes	No	No	1	SPDT	IP65	20A:1-1/2HP 250VAC,2HP 250VAC
FSC-32-15-2-14/4	Momentary	No	No	No	1	SPDT	IP65	15A:3/4HP 125VAC,1-1/2HP 250VAC

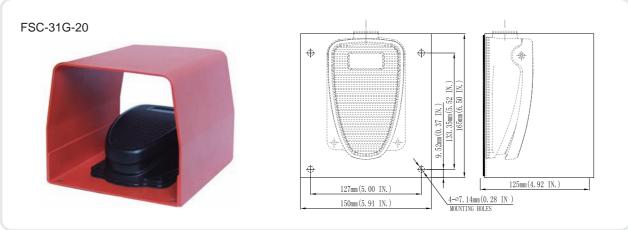


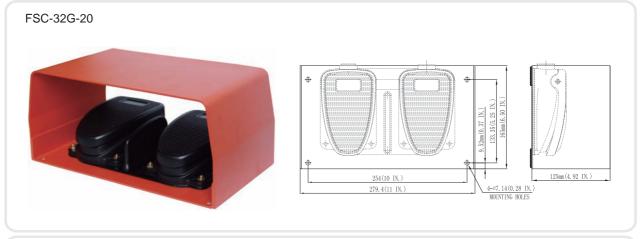




FSC-3 Series Medium Duty Foot Switches











FS-4 Series Medium Duty Foot Switches

Features

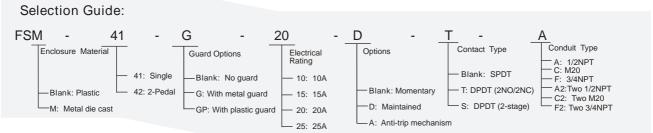
- · Robust zinc metal die cast body
- Four switch ratings available:
 10A:1/2HP 125/250VAC

15A:3/4HP 125VAC, 1-1/2HP 250VAC 20A:1-1/2HP 125VAC, 2HP 250VAC 25A:1-1/2HP 125VAC, 2HP 250VAC

- UL/CSA/CE/CCC certified
- Custom color/wiring available

Specifications

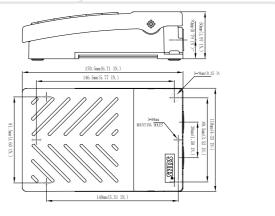
Operating Frequency	60 ops/min					
Insulation Resistance	>100MW@500V DC					
Contact Resistance	<25mΩ (initial)					
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts					
Service Life	Mechanically 1 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)					
Operating Temperature	-30~+80°C (-22~176°F)					
Degree of Protection	IP68/NEMA 6,6P					



Part Number*	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FS-41-25	Momentary	No	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41G-25	Momentary	Yes	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41-25-D	Maintained	No	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41-25-A	Momentary	No	Yes	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41-25-T	Momentary	No	No	No	1	DPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41-25-S	Momentary	No	No	No	2	DPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41-25	Momentary	No	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41G-25	Momentary	Yes	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41-25-D	Maintained	No	No	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41-25-A	Momentary	No	Yes	No	1	SPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41-25-T	Momentary	No	No	No	1	DPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FSM-41-25-S	Momentary	No	No	No	2	DPDT	IP68	25A:1-1/2HP 125VAC, 2HP 250VAC
FS-41-10-2-18/2	Momentary	No	No	No	1	SPDT	IP68	10A:1/2HP 125/250VAC
FSM-41-10-2-18/3	Momentary	No	No	No	1	SPDT	IP68	10A:1/2HP 125/250VAC
FSM-41-15-2-14/3	Momentary	No	No	No	1	SPDT	IP68	15A:3/4HP 125VAC,1-1/2HP 250VAC

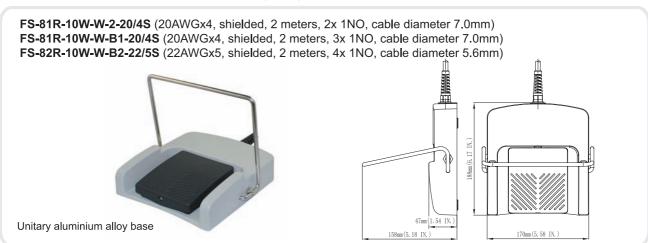
^{*} Add conduit type suffix to get the complete part numbers

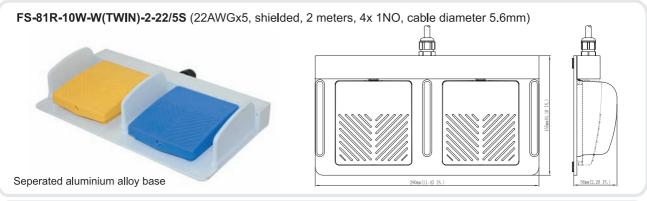


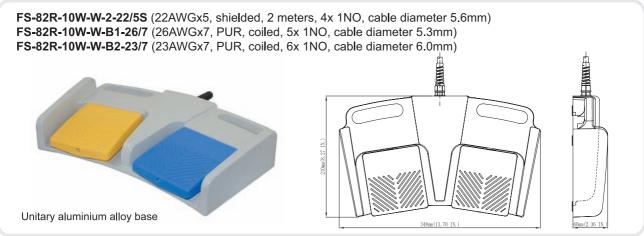


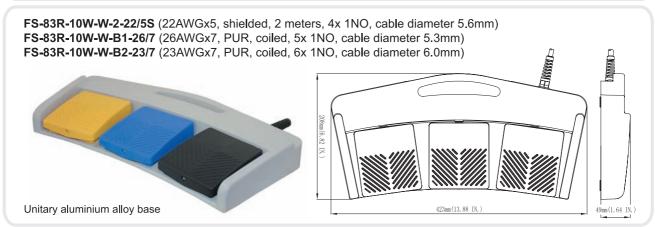


FS-81R Series Medical Foot Switches (IPx8)











FS-5 Series Heavy Duty Foot Switches

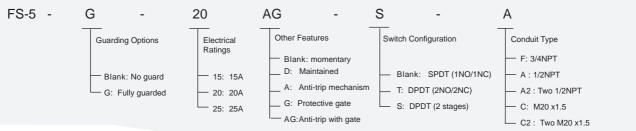
Features

- Treadle and housing constructed from cast iron for strength and durability
- Strong cast aluminum guard construction
- Features an anti-trip treadle mechanism that helps prevent accidental actuation through unintentional stepping on foot treadle
- Anti-skid rubber feet and three holes for rigid mounting to floor or equipment
- UL/CSA/CE/CCC certified
- Conduit available in: 3/4NPT, 1/2NPT, M20, 1/2NPTx2, M20x2

Specifications

Operating Frequency	60 ops/min						
Insulation Resistance	>100MΩ@500V DC						
Contact Resistance	<25mΩ (initial)						
Rated Current/Voltage	15A, 20A or 25A 125V/250VAC						
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts						
Service Life	Mechanically 1 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)						
Operating Temperature	-20~+80°C (-4~176°F)						
Degree of Protection	IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)						

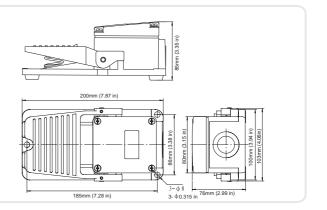
Selection Guide:



Part Number*	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FS-5-20	Momentary	No	No	No	1	SPDT	IP65	
FS-5-20-T	Momentary	No	No	No	1	DPDT	IP65	
FS-5-20-S	Momentary	No	No	No	2	DPDT	IP65	
FS-5G-20	Momentary	Yes	No	No	1	SPDT	IP65	
FS-5G-20-D	Maintained	Yes	No	No	1	SPDT	IP65	
FS-5G-20-A	Momentary	Yes	Yes	No	1	SPDT	IP65	20A 125-250VAC
FS-5G-20-T	Momentary	Yes	No	No	1	DPDT	IP65	1.5HP/125VAC,2HP/250VAC
FS-5G-20-S	Momentary	Yes	No	No	2	DPDT	IP65	
FS-5G-20-D-T	Maintained	Yes	No	No	1	DPDT	IP65	
FS-5G-20-A-T	Momentary	Yes	Yes	No	1	DPDT	IP65	
FS-5G-20-A-S	Momentary	Yes	Yes	No	2	DPDT	IP65	
FS-5G-20-AG	Momentary	Yes	Yes	Yes	1	SPDT	IP65	
FS-5G-20-AG-T	Momentary	Yes	Yes	Yes	1	DPDT	IP65	
FS-5G-20-AG-S	Momentary	Yes	Yes	Yes	2	DPDT	IP65	

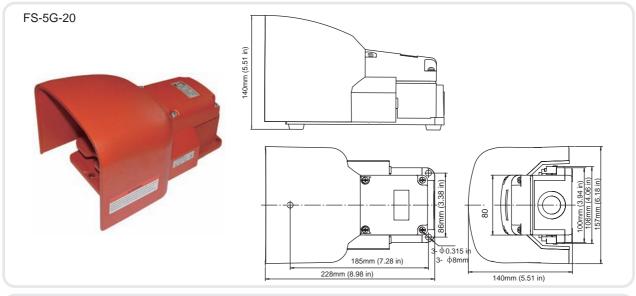
^{*} Add conduit type suffix to get the complete part numbers

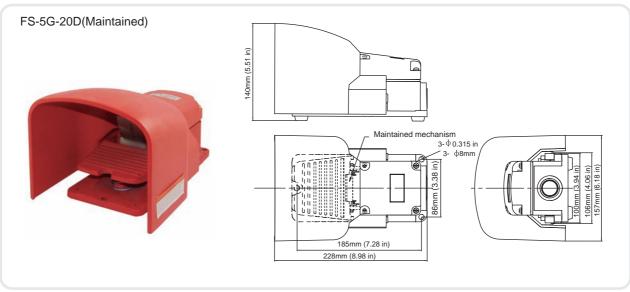


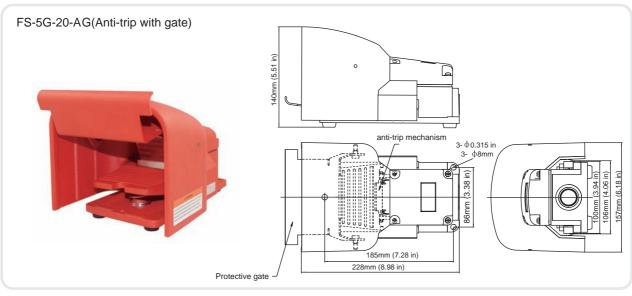




FS-5 Series Heavy Duty Foot Switches









FS-6 Series Safety Foot Switches

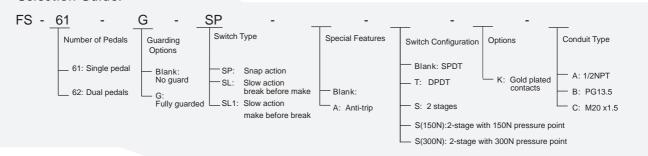
Features

- Robust aluminum alloy die cast body
- Choice of different type of contact blocks
- Galvanically separated contacts
- Double break contacts
- Screw terminals with self-lifting clamps for easy wiring
- Positive opening of NC contacts
- Safety reset option available
- UL/CSA approval(E216958)
- Threaded hole available in: PG13.5, M20x1.5 and 1/2NPT

Specifications

60 ops/min		
>100MΩ@500V DC		
$<25m\Omega$ (initial)		
10A/600V AC A600/AC15 Q300/DC13		
Complies with IEC947-5-1: AC15/DC13		
1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts		
Mechanically 1 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)		
-30~+80°C (-22~176°F)		
IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)		

Selection Guide:

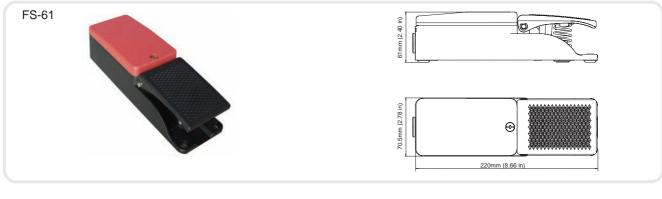


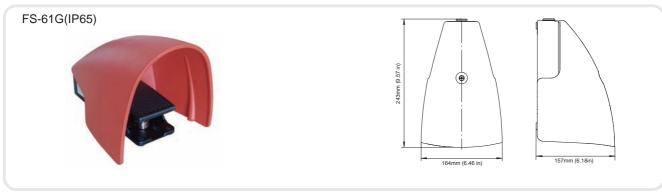
Part Number*	Description	Guard	Anti-Trip	Protective Gate	Stage	Circuit	Degree of Protection	Electrical Ratings
FS-61-SP	Momentary	No	No	No	1	SPDT	IP65	
FS-61-SP-A	Momentary	No	Yes	No	1	SPDT	IP65	
FS-61-SP-T	Momentary	No	No	No	1	DPDT	IP65	
FS-61-SP-S	Momentary	No	No	No	2	DPDT	IP65	
FS-61-SP-A-T	Momentary	No	Yes	No	1	DPDT	IP65	
FS-61-SP-A-S	Momentary	No	Yes	No	2	DPDT	IP65	
FS-61G-SP	Momentary	Yes	No	No	1	SPDT	IP65	
FS-61G-SP-A	Momentary	Yes	Yes	No	1	SPDT	IP65	
FS-61G-SP-T	Momentary	Yes	No	No	1	DPDT	IP65	
FS-61G-SP-S	Momentary	Yes	No	No	2	DPDT	IP65	
FS-61G-SP-A-T	Momentary	Yes	Yes	No	1	DPDT	IP65	10A/600VAC
FS-61G-SP-A-S	Momentary	Yes	Yes	No	2	DPDT	IP65	A600/AC15 Q300/DC13
FS-62-SP	Momentary	No	No	No	1	SPDT	IP65	Q500/DC15
FS-62-SP-A	Momentary	No	Yes	No	1	SPDT	IP65	
FS-62-SP-T	Momentary	No	No	No	1	DPDT	IP65	
FS-62-SP-S	Momentary	No	No	No	2	DPDT	IP65	
FS-62-SP-A-T	Momentary	No	Yes	No	1	DPDT	IP65	
FS-62-SP-A-S	Momentary	No	Yes	No	2	DPDT	IP65	
FS-62G-SP	Momentary	Yes	No	No	1	SPDT	IP65	
FS-62G-SP-A	Momentary	Yes	Yes	No	1	SPDT	IP65	
FS-62G-SP-T	Momentary	Yes	No	No	1	DPDT	IP65	
FS-62G-SP-S	Momentary	Yes	No	No	2	DPDT	IP65	
FS-62G-SP-A-T	Momentary	Yes	Yes	No	1	DPDT	IP65	
FS-62G-SP-A-S	Momentary	Yes	Yes	No	2	DPDT	IP65	

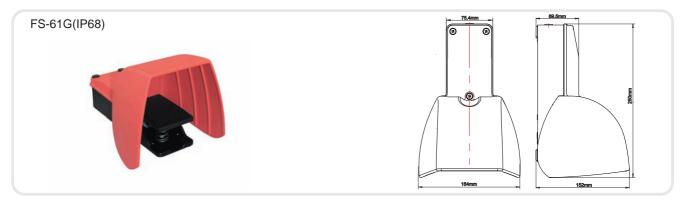
^{*} Add conduit type suffix to get the complete part numbers

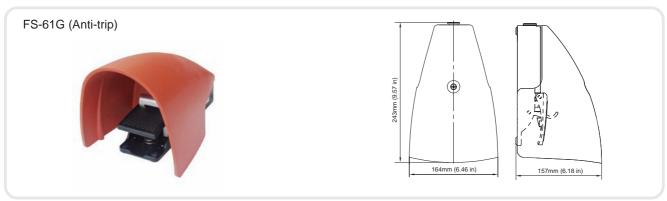


FS-6 Series Safety Foot Switches







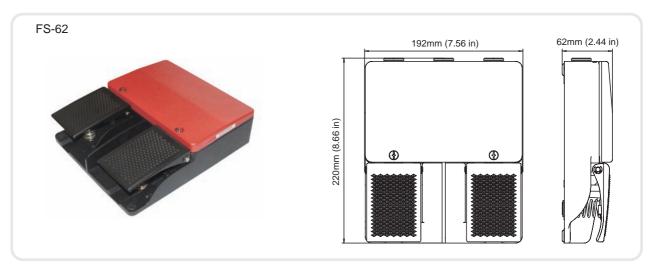


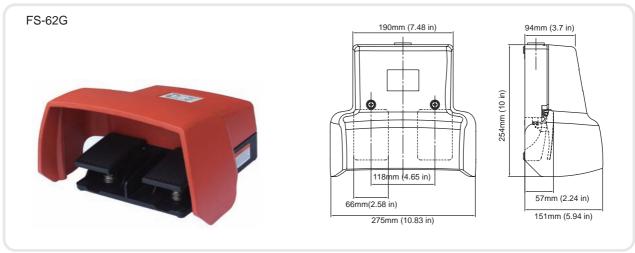


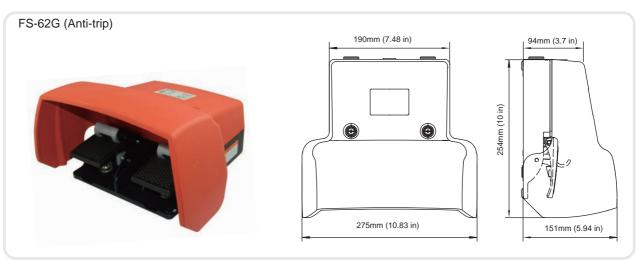


FS-6 Series Safety Foot Switches

Dual Pedals Safety Foot Switches







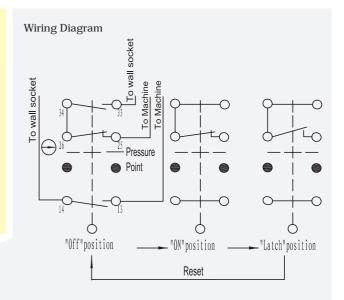




FS-6 Series Safety Foot Switches with Emergency Stop

Features

This is a special design foot switch with two stage momentary contacts. There is noticable 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 the electrical contact and lock. The manual reset button needs to be pushed before it can operate in normal model again. This can quickly prevent damage to the machine or injury to human life.



Operating Sequence:

Step 1: The pedal is not depressed. The contacts are open. The machine is turned off. "OFF"

Step 2: To start the machine, the pedal must be depressed until the "pressure point", where resistance "ON"

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.

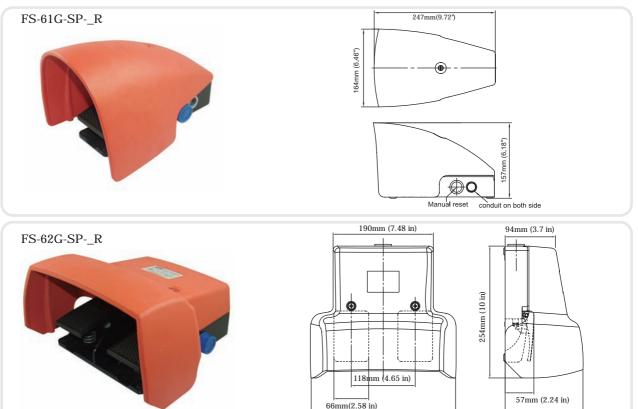
(Back to Step 1)

Step 4: The push button on the side of the foot switch must be pushed by hand to enable the foot switch "RESET"

to start the machine function again.

"ON" Step 5: Return to condition described in Step 2.

Dimensions:



151mm (5.94 in)

275mm (10.83 in)





Three-Position Safety Foot Switches (FS-61G-SP-S-ZR Single Pedal)

These foot switches are designed for some critical applications such press brake machine control. These foot switches have at least one of the pedals with 3 positions, with a pressure point, to control dangerous movements.

For press brake control as an example:

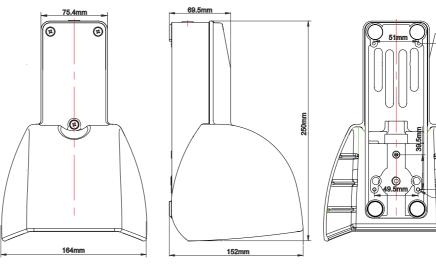
press the pedal to lower down a press brake. It has 4 working contacts (2NC+2NO) to drive the movement and one safety switches (1 positive opening NC contact + 1NO) to stop the movement. Pressing the foot pedal, until the pressure point where resistance is noticeable. This allows the changeover of the 2 working contacts and press is moving downward. When press harder beyond the pressure point, the 2 working contacts return to their first position and the positive opening safety contact is activated as redundant safety circuit in order to initiate immediately the dangerous movement. A restart of the machine is only possible after releasing the foot switch.



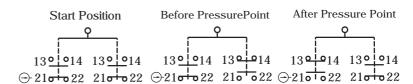
Specifications

Operating Frequency	60 ops/min
Insulation Resistance	>100MW@500V DC
Contact Resistance	<25mW
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 1×10^6 (operations) Electrically 5×10^5 (operations)
Operating Temperature	-30~+80°C (-22~176°F)
Degree of Protection	IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)

Dimensions (mm)



Actuation Sequence Diagram:







Three-Position Safety Foot Switches (FS-62G-SP-1S-ZR Two Pedal)

These foot switches are designed for critical applications such press brake machine control. The safety pedal has three positions with a pressure point to control hazardous movement. Four working contacts (2NC+2NO) handle normal operation and one safety switch (1 positive opening NC contact + 1NO) provides emergency stop control.

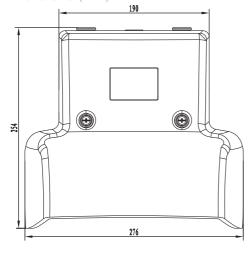
For example, when normal force is applied, the working contacts switch and the press moves downward. Additional force beyond the pressure point will cause the working contacts to return to their initial position and activate the positive opening safety contact. This redundant safety circuit will prevent any further hazardous movement.



Specifications

Operating Frequency	60 ops/min		
Insulation Resistance	>100MΩ@ 500V DC		
Contact Resistance	$<25\mathrm{m}\Omega$		
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 1×10^6 (operations) Electrically 5×10^5 (operations)		
Operating Temperature	-30~+80°C (-22~176°F)		
Degree of Protection	IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)		

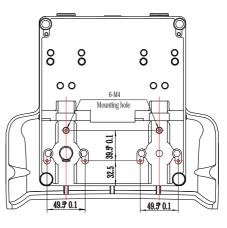




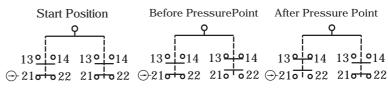


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Actuation Sequence Diagram (Right Pedal Only)





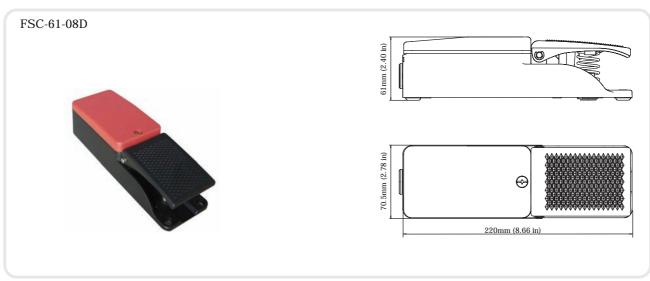


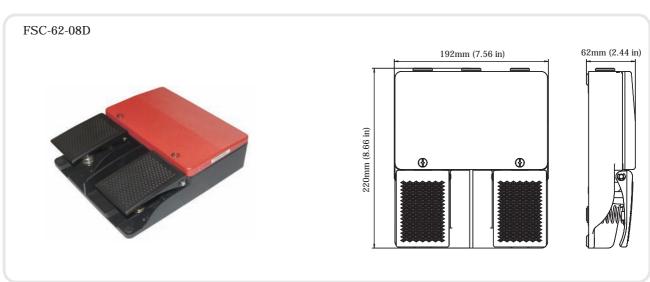
Features

- · Robust aluminum alloy die cast body
- Three special styles:
 - High current carrying capacity
 - AC variable speed control
 - Push-on/push-off
- CSA approval
- Threaded hole available in: PG13.5, M20x1.5 and 1/2NPT

Specifications

Operating Frequency	60 ops/min		
Insulation Resistance	>100MΩ@500V DC		
Contact Resistance	$<25m\Omega$ (initial)		
Rated Current/Voltage	8A/125VAC 4A/250VAC		
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 x10 ⁶ (operations)		
	Electrically 5 x10 ⁵ (operations)		
Operating Temperature	-30~+80°C (-22~176°F)		
Degree of Protection	IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)		









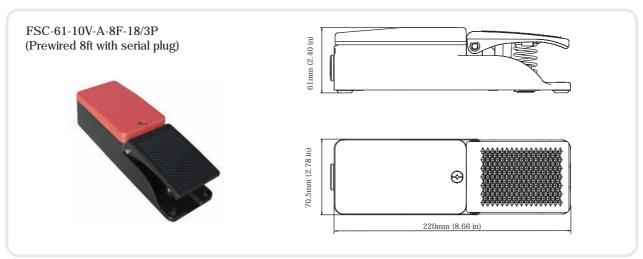
AC Variable Speed Control Foot Switches

Features

- Hands free, variable speed motor control
- Supplied with series plug
- UL/CSA and CE approved

Specifications

Operating Frequency	60 ops/min		
Insulation Resistance	>100MΩ@500V DC		
Contact Resistance	$<25m\Omega$ (initial)		
Rated Current/Voltage	10A/125V AC		
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts		
Service Life	Mechanically 1 x10 ⁶ (operations) Electrically 5 x10 ⁵ (operations)		
Operating Temperature	-30~+80°C (-22~176°F)		
Degree of Protection	IP65/NEMA 2,4,13		





FSC-6 Series Heavy Duty Foot Switches

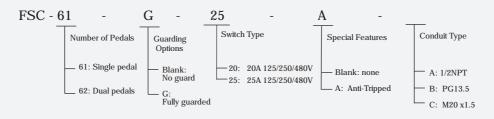
Features

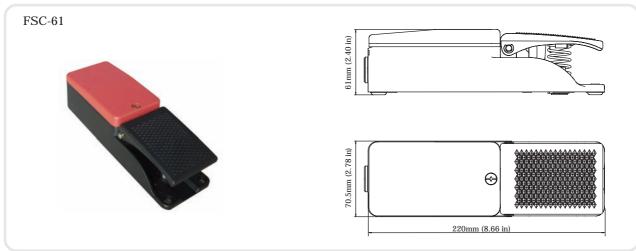
- · Robust aluminum alloy die cast body
- High current carrying capacity
- UL/ULC approval(E321073)
- Threaded hole available in: PG13.5, M20x1.5 and 1/2NPT

Specifications

Operating Frequency	60 ops/min		
Insulation Resistance	>100MΩ@ 500V DC		
Contact Resistance	$<\!25m\Omega$ (initial)		
Rated Current/Voltage	20A or 25A 1.5HP/125VAC 2HP/250VAC		
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 x10 ⁶ (operations)		
	Electrically 5 x10 ⁵ (operations)		
Operating Temperature	-30~+80°C (-22~176°F)		
Degree of Protection	IP65, NEMA type 2, 4, 13 (IP68, NEMA type 6, 6P available on request)		

Selection Guide:



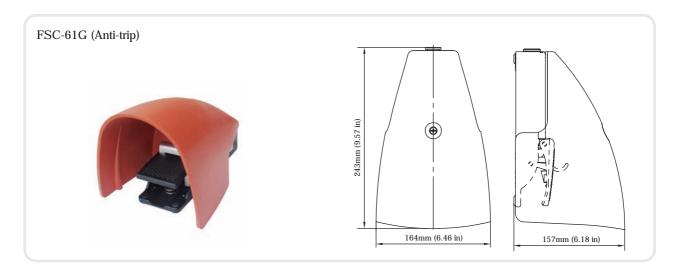




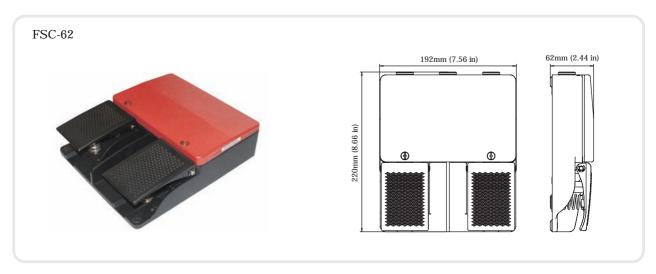


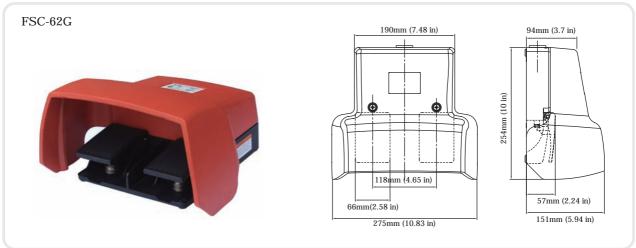


FSC-6 Series Heavy Duty Foot Switches



Dual Pedals Specialty Foot Switches





FAS Series Air Actuated Switches

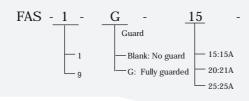
Features

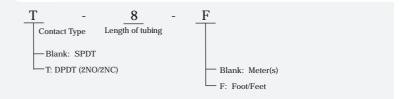
- Long life air bulb actuator
- Remotely located air operated electric snap switch
- Supplied with a 10 foot 1/8" ID PVC tubing connecting the foot pedal to the remote airswitch
- Remote switch equipped with a 9/16" U.N.F. bulkhead mount
- Isolating the electrically live snap switch from the floor
- Offers environmental protection from short or shock

Specifications

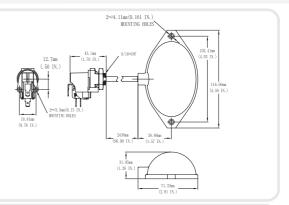
Operating Frequency	60 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	$<25\mathrm{m}\Omega$ (initial)
Rated Current/Voltage	15A, 1/2HP, 125/250VAC or 21A 1HP 125VAC, 2HP 250VAC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1×10^6 (operations) Electrically 5×10^5 (operations)
Operating Temperature	-20~+80°C (-4~176°F)
Degree of Protection	IP68 (NEMA 4, 4x, 6, 6P)

Selection Guide:

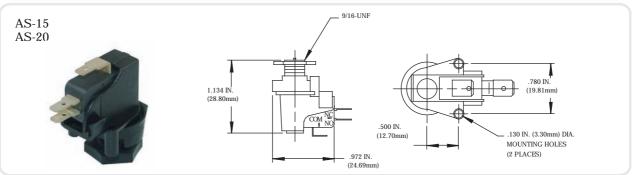












Cables for Foot Switches

Selection Guide:



Order code	Gauge	Jacket Material	O.D.	Туре	Color
18/2	18AWG x 2	PVC	7.5mm (0.30")	SJT	Black
18/3	18AWG x 3	PVC	7.8mm (0.307")	SJT	Black
16/4	16AWG x 4	PVC	9.3mm (0.366")	SJT	Black
14/3	14AWG x 3	PVC	9.3mm (0.366")	SJT	Black
14/4	14AWG x 4	PVC	10.3mm (0.406")	SJT	Black
20/4S(7032)	20AWG x 4	PVC (shield)	7.0mm (0.276")	AWM	RAL7032
20/4S(7030)	20AWG x 4	PVC (shield)	7.0mm (0.276")	AWM	RAL7030
22/4S	22AWG x 4	PVC (shield)	7.0mm (0.276")	AWM	Black
22/5S	22AWG x 5	PVC (shield)	5.6mm (0.22")	AWM	RAL7030
		PUR	5.3mm (0.209")	Coil Cord	Black
26/7-PUR-C 26AWG x 7				0.21 IX.) 66.7 IX.)	
		PUR	6.0mm (0.236")	Coil Cord	Black
23/7-PUR-C 23AWG x 7					





Connectors for Foot Switches

Order Code	Connectors	Pictures	Gauge	Standard cable length
MON3.5	3.5mm mono plug		24AWG x 2	2050mm (6.7ft)
STO3.5	3.5mm stereo plug		20AWG x 3	2050mm (6.7ft)
RJ45	RJ45 plug		26AWG x 4	2050mm (6.7ft)
USB	USB plug		28AWG x 4	2200mm (7.1ft)
		S. Contraction of the Contractio	18AWG x 3	0440 (00)
P	3 prong series plug		14AWG x 3	2440mm (8ft)
DB9	9 pin D sub			
ODU	ODU #S22L0C- P10MJGP-6200 (10 pin)	Control of the Contro		
C13/C14	C13/C14 power cord			

^{*} Contact us for other connectors



Innovation

Quality

Service

SUNS Product Overview

SNAP SWITCHES

Large assortment of snap switches with your choice of operating force, actuator, and electrical rating. Ratings include 10, 15, 20 and 25A, up to 600V and waterproof (IP67) available.









LIMIT SWITCHES

The widest range of limit switches with over 3,000+ models. Whether your application requires a standard IP65 or an explosions-proof NEMA style body we have your switch.









SAFETY SWITCHES

Extensive offering of reliable safety switch models including key interlock, solenoid key interlock, cable-pull, hinge and remote reset.









FOOT SWITCHES

The highest quality industrial and medical foot switch product for any application. Choose from various robust glass reinforced plastic or aluminum die cast bodies. USB and wireless (RF or bluetooth) versions also available.









PUSHBUTTON SWITCHES

Full line of 16mm, 22mm and 30 mm NEMA style pushbutton switches. Available in both plastic and metal heads.









PENDANT AND CONTROL STATIONS

Pendant and control stations ideal for crane, lift, and various industrial applications. Customize your button configuration with maintained, interlock, or 2-speed features available.









PROXIMITY/MAGNETIC SWITCHES

Inductive, capacitive and magnetic proximity sensors with various detection distances. NPN/ PNP, NC/NO, and AC/DC options available.









AND MORE!

SUNS also offers following products: Terminal blocks, Indicator light, Signal lights, Tower Lights, Alarm bells









- * All SUNS products are manufactured according to the highest manufacturing starndards.
- * All products are UL/CSA/CE Certified and are also RoHS, REACH compliant.



The Right Switch For Your Applications