

## FS-81 Series Medical Foot Switches(IPX8)

### Features

- Robust glass fiber reinforced plastic or zinc die cast body
- Galvanically separated contacts
- Positive opening of NC contacts
- UL/CSA/CE/CCC approved
- IEC60601 certification issued by TÜV for medical applications
- Custom color/wiring available

### Specifications

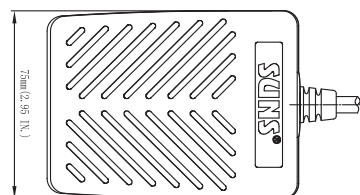
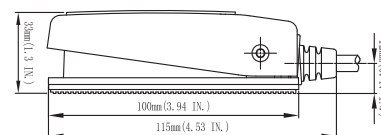
Operating Frequency	60 ops/min
Insulation Resistance	>100MΩ@500V DC
Contact Resistance	<25mΩ (initial)
Rated Current/Voltage	Ith: 10A      Ui: 300V AC UL Rating: A300/AC15 CCC Rating: 10A/250V IEC60601 (TUV): 5A/25VAC
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts
Service Life	Mechanically 1 x10 <sup>6</sup> (operations) Electrically 5 x10 <sup>5</sup> (operations)
Operating Temperature	-30~+80°C (-22~176°F)
Degree of Protection	IPX8 (NEMA 4, 4x, 6, 6P)

### Selection Guide:

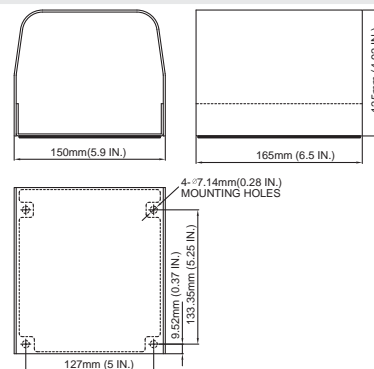
FS-81 - SP - M - T - Twin - 8 - F - 20/4S						
Switch Type		Enclosure Type	Contact Type	Options	Cable Length	Additional Wiring Information
SP: Snap action		Blank: Fiber reinforced plastic	<b>Blank:</b> SPDT	Blank: single		e.g. 20AWGx4 Shielded
SL: Slow action		M: Die cast zinc	<b>T:</b> DPDT (2NO/2NC)	Twin: 2-pedal		<b>Blank:</b> Meter(s)
			<b>S:</b> DPDT (2-stage)	n-pedal (n = 3...6)		<b>F:</b> Foot/feet
						* Standard pedal color:Black -Y for Yellow -U for Blue

### Dimensions:

- FS-81-SP-2-20/4S** (20AWGx4, shielded, 2 meters, 1NO/1NC, cable diameter 7.0mm)  
**FS-81-SP-2-22/5S** (22AWGx5, shielded, 2 meters, 1NO/1NC, cable diameter 5.6mm)  
**FS-81-SP-T-2-20/4S** (20AWGx4, shielded, 2 meters, 2NO, cable diameter 7.0mm)  
**FS-81-SP-T-2-22/5S** (22AWGx5, shielded, 2 meters, 2NO, cable diameter 5.6mm)  
**FS-81-SP-S-2-20/4S** (20AWGx4, shielded, 2 meters, 2x1NO, 2-stage, cable diameter 7.0mm)  
**FS-81-SP-S-2-22/5S** (22AWGx5, shielded, 2 meters, 2x1NO, 2-stage, cable diameter 5.6mm)

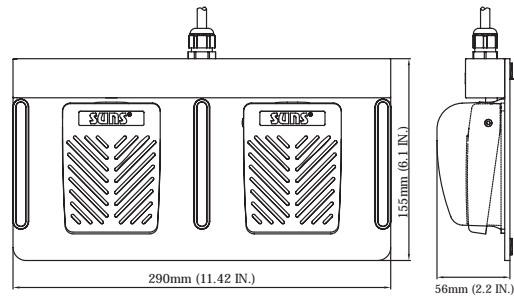


- FS-1G** (Orange)  
**FS-1G-W** (Medical white)  
**FS-1G-SS** (Stainless steel)  
**FSP-1G**(Plastic)

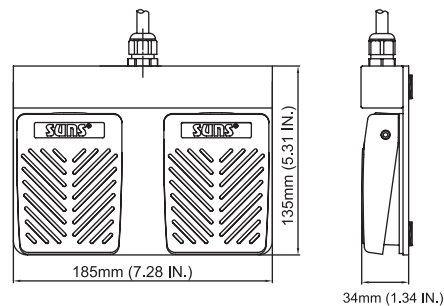


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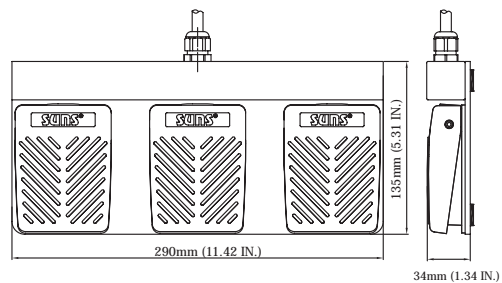
FS-81-SP-W(Twin)-2-20/4S (20AWGx4, shielded, 2 meters, 1NO per pedal, cable diameter 7.0mm)  
 FS-81-SP-W(Twin)-2-22/5S (22AWGx5, shielded, 2 meters, 1NO per pedal, cable diameter 5.6mm)



FS-81-SP-(Twin)-2-20/4S (20AWGx4, shielded, 2 meters, 1NO per pedal, cable diameter 7.0mm)  
 FS-81-SP-(Twin)-2-22/5S (22AWGx5, shielded, 2 meters, 1NO per pedal, cable diameter 5.6mm)



FS-81-SP-(3-Pedal)-2-20/4S (20AWGx4, shielded, 2 meters, 1NO per pedal, cable diameter 7.0mm)  
 FS-81-SP-(3-Pedal)-2-22/5S (22AWGx5, shielded, 2 meters, 1NO per pedal, cable diameter 5.6mm)



FS-81-SP-(4-Pedal)-2-22/5S (22AWGx5, shielded, 2 meters, 1NO per pedal, cable diameter 5.6mm)

