

Foot Switches



APS1211-V0



APS1151-V0



APD1231-V0

Applications

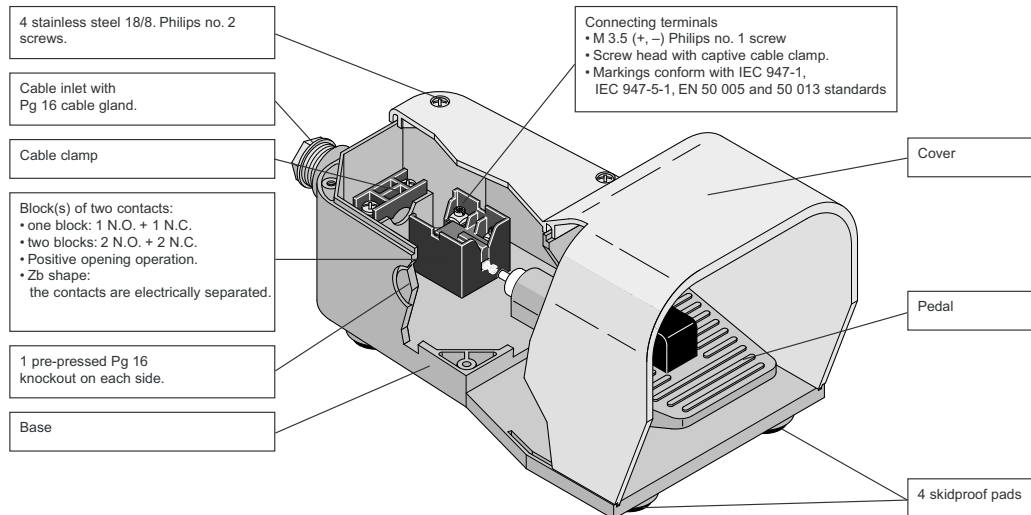
Choose these switches for foot switch-operated machines such as shearing machines, spinning machines, spinning lathes, machine tools, wrapping machines, riveting machines, riveting presses, etc.

AutomationDirect stocks foot switches in these operational formats:

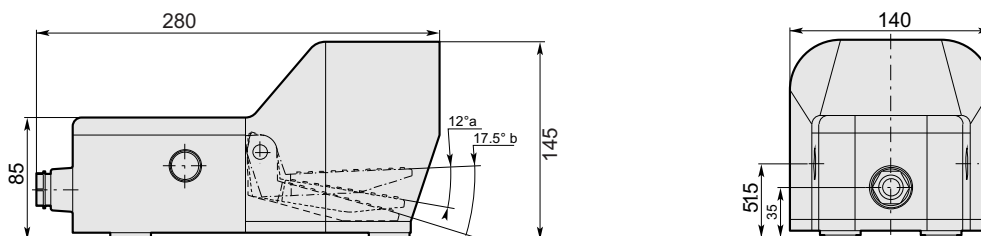
- **Free movement:** contact position follows pedal movement; actuated when the pedal is pushed down, released when pedal is in state of rest.
- **Foot switch locked in neutral position:** same operation as above, after unlocking the pedal with the foot.

Description

- **Dimensions:** 11.02" x 5.5" x 5.7" (280 x 140 x 145mm)
- **Materials:** base, cover and pedal of shock-resistant ABS material
- **Colors:** Single unit: gray base, yellow cover, or, gray base, half-red cover
Double unit: one gray base with gray cover, and one gray base with yellow cover



Dimensions (mm)



Foot Switches Technical Specifications



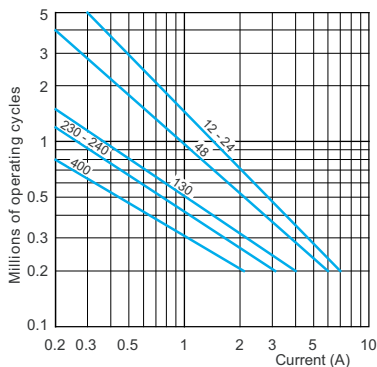
Foot Switch Selection			
Part Number	Color	Price	Description
APS1211-VO	Yellow	<--->	Foot Switch, snap action contacts, single, ABS plastic, safety actuating lever, yellow cover, 1 N.O. and 1 N.C. contact block
APS1213-VO	Yellow	<--->	Foot Switch, snap action contacts, single, ABS plastic, safety actuating lever, yellow cover, 2 N.O. and 2 N.C. contact block
APS1151-VO	Half Red	<--->	Foot Switch, snap action contacts, single, ABS plastic, half red cover, 1 N.O. and 1 N.C. contact block
APD1231-VO	Yellow/Gray	<--->	Foot Switch, snap action contacts, double, ABS plastic, safety actuating lever, 1 with yellow cover and 1 with gray cover, 1 N.O. and 1 N.C. contact block for each switch

Note: See page 19-8, contact block accessories, for AGZ11-SWITCH replacement contact block (contact blocks have adjustable screw actuator).

Foot Switch General Technical Data	
Standards	IEC 947-5-1
Certifications - Approvals	UL/CUL file E191072, CE
Temperature	Operating (ambient) air temperature: - 10 to + 70°C (14°F to 158°F) Storage (non-operating) air temperature: - 30 to + 80°C (-22°F - 176°F)
Environmental	according to IEC 68-2-3 and salty mist according to IEC 68-2-11
Shock (according to IEC 68-2-27 and EN 60 068-2-27)	50g (1/2 sinusoidal shock for 11 ms) no change in contact position
Degree of Protection (according to IEC 529 and EN 60 529)	IP 65
Operating Torque	0.25 N.m
Operating Angle	15 Degree
Cable Inlet	Pg 16 knockout

Foot Switch Electrical Data	
Rated Insulation voltage U_i	690 V (according to IEC 947-1 and EN 60-947-1) Degree of pollution 3
Rated Impulse Withstand Voltage U_{imp}	6 kV (according to IEC 947-1 and EN 60 947-1)
Conventional Free Air Thermal Current I_{th} $0 < 40\text{ }^\circ\text{C}$	10 A (according to IEC 947-1)
Short-circuit Protection $U_g < 500\text{ V AC}$, - gG (gl) type fuses	10 A
Rated Operational Current	A 600 (according to UL 508 and CSA C22-2 n° 14) Q 600 (according to UL 508 and CSA C22-2 n° 14)
AC-15 (according to IEC 947-5-1) 24V	10 A
. 120V	6 A
. 230V	3.1 A
. 240V	3 A
. 400V	1.8 A
DC-13 (according to IEC 947-5-1) 24V	2.8 A
. 125V	0.55 A
. 250V	0.27 A
Resistance Between Contacts	25 mΩ
Connecting Terminals	M3.5 (±) Philips head #1 with cable clamp
Positive Opening Operation (according to IEC 947-5-1)	⊖
Connecting Capacity	(1 or 2 x mm ²) 0.75 to 2.5
Terminal Marking	According to EN 50 013
Life Expectancy	Mechanical: 30 million operations Electrical Operations: Utilization categories AC-15 and DC-13 (Load factor of 0.5 according to curves)

AC-15 - Snap Action



DC-13	Snap Action
Power breaking for a durability of 5 million operating cycles	
Voltage 24 V	9.5 W
Voltage 48 V	6.8 W
Voltage 110 V	3.6 W