

Pushbutton Switches, .120 Actuator, Straight

MATERIAL SPECIFICATIONS:

ContactsGold plate
 Case MaterialPolyester
 Actuator MaterialPolyester, black
 Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating0.4 VA Max. @ 20 VDC or peak AC
 Initial Contact Resistance50 Milliohms max.
 Contact TimingBreak-before-make
 Insulation Resistance1,000 Megohms @ 500 VDC min.
 Dielectric Strength500 Volts RMS @ sea level
 Actuator Travel......050" (1.27)
 Life ExpectancyUp to 10,000 Cycles

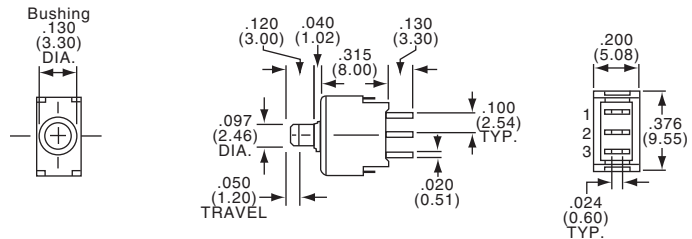
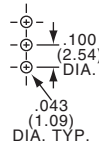
FOR SEALED VERSIONS SEE PAGES D19 AND D20

D
APA Series

SPST/SPDT



APA1BGPC



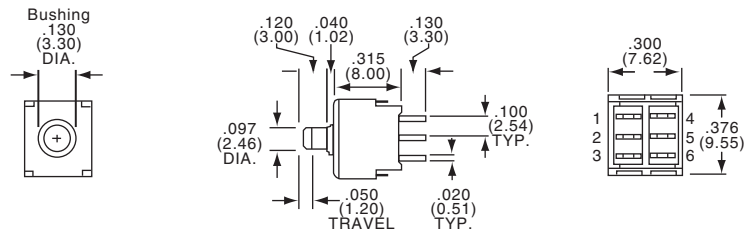
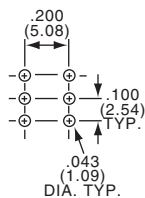
Part Number					
Tyco Electronics	Alcoswitch	Type	Action		
1437567-2	APA1BGPC	SPST	N.C. Momentary	1-3	(—)
1437567-3	APA1CGPC	SPST	N.O. Momentary	—	(1-3)
1437567-5	APA1FGPC	SPDT	Momentary	2-3	(2-1)

Note: No center terminals on "B" or "C" action switches.

DPST/DPDT



APA2MGPC

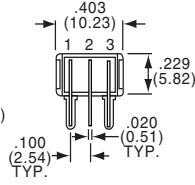
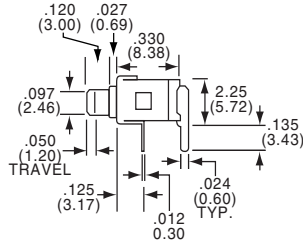
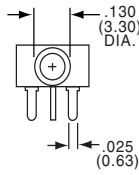
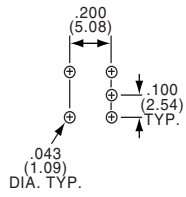


Part Number					
Tyco Electronics	Alcoswitch	Type	Action		
—	APA2LGPC	DPST	N.C. Momentary	1-3, 4-6	(—)
1437567-7	APA2MGPC	DPST	N.O. Momentary	—	(1-3, 4-6)
1437567-9	APA2RGPC	DPDT	Momentary	2-3, 5-6	(2-1, 5-4)

Note: No center terminals on "L" or "M" action switches.

Pushbutton Switches, .120 Actuator, Right Angle

SPST/SPDT



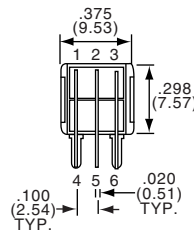
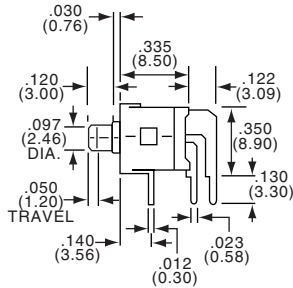
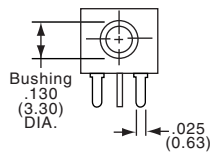
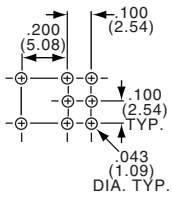
APA1FGRA

Part Number					
Tyco Electronics	Alcoswitch	Type	Action		
—	APA1BGRA	SPST	N.C. Momentary	1-3	(—)
1437567-4	APA1CGRA	SPST	N.O. Momentary	—	(1-3)
1437567-6	APA1FGRA	SPDT	Momentary	2-3	(2-1)

Note: No center terminals on "B" or "C" action switches.

D
APA Series

DPST/DPDT



APA2RGRA

Part Number					
Tyco Electronics	Alcoswitch	Type	Action		
1437567-8	APA2MGRA	DPST	N.O. Momentary	—	(1-3, 4-6)
1-1437567-0	APA2RGRA	DPDT	Momentary	2-3, 5-6	(2-1, 5-4)

Note: No center terminals on "M" action switches.

Pushbutton Switches, .157 Actuator, Vertical or Right Angle

MATERIAL SPECIFICATIONS:

ContactsGold plate
 Case MaterialPolyester
 Actuator MaterialPolyester, black
 Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)

TYPICAL PERFORMANCE CHARACTERISTICS:

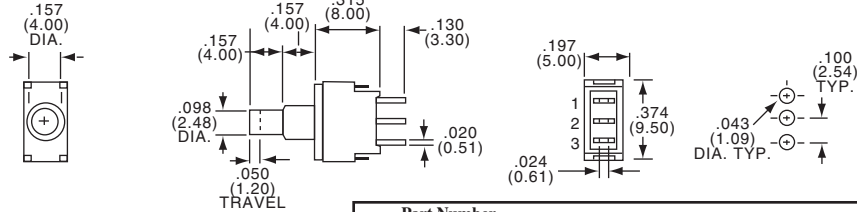
Contact Rating0.4 VA Max. @ 20 VDC or peak AC
 Initial Contact Resistance50 Milliohms max.
 Contact TimingBreak-before-make
 Insulation Resistance1,000 Megohms @ 500 VDC min.
 Dielectric Strength500 Volts RMS @ sea level
 Actuator Travel.....0.050" (1.27)
 Life ExpectancyUp to 10,000 Cycles

FOR SEALED VERSIONS SEE PAGES D19 AND D20

SPST/SPDT



APB1BGPC



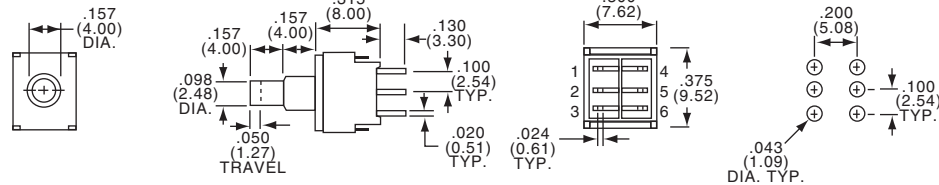
Part Number		Type	Action		
Tyco Electronics	Alcoswitch				
1-1437567-1	APB1BGPC	SPST	N.C. Momentary	1-3	(—)
1-1437567-2	APB1CGPC	SPST	N.O. Momentary	—	(1-3)
1-1437567-4	APB1FGPC	SPDT	Momentary	2-3	(2-1)

Note: No center terminal on "B" and "C" action switches.

DPST/DPDT



APB2RGPC



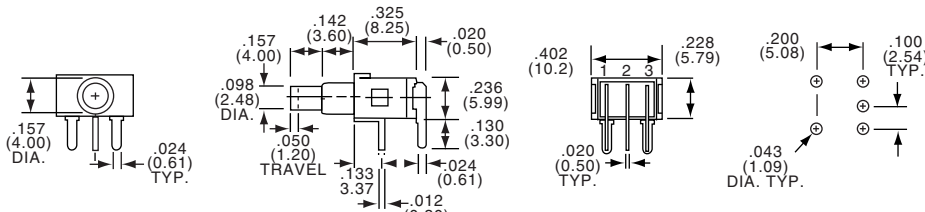
Part Number		Type	Action		
Tyco Electronics	Alcoswitch				
—	APB2LGPC	DPST	N.C. Momentary	1-3, 4-6	(—)
1-1437567-7	APB2RGPC	DPDT	Momentary	2-3, 5-6	(2-1, 5-4)

Note: No center terminal on "L" action switches.

SPST/SPDT



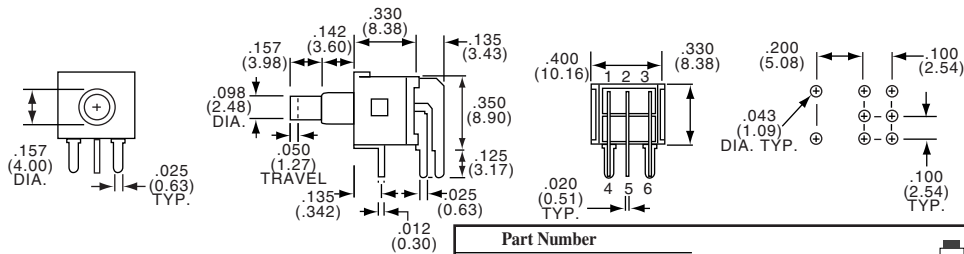
APB1FGRA



Part Number		Type	Action		
Tyco Electronics	Alcoswitch				
—	APB1BGRA	SPST	N.C. Momentary	1-3	(—)
1-1437567-3	APB1CGRA	SPST	N.O. Momentary	—	(1-3)
1-1437567-5	APB1FGRA	SPDT	Momentary	2-3	(2-1)

Note: No center terminal on "B" and "C" action switches.

DPST/DPDT



Part Number		Type	Action		
Tyco Electronics	Alcoswitch				
1-1437567-6	APB2MGRA	DPST	N.O. Momentary	—	(1-3, 4-6)
	APB2RGRA	DPDT	Momentary	2-3, 5-6	(2-1, 5-4)

Note: No center terminal on "M" action switches.

APB Series

Pushbutton Switches, Process Sealed, .157 Actuator, Straight, Retention Terminal

MATERIAL SPECIFICATIONS:

ContactsGold plated
 Case MaterialPolyester
 Actuator MaterialPolyester, black
 Terminals/Fixed Contacts.....Copper alloy
 Terminal SealEpoxy

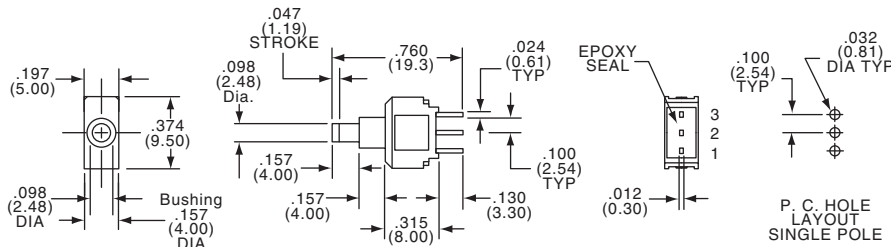
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating0.4 VA Max. @ 20 VDC or peak AC
 Initial Contact Resistance50 Milliohms max.
 Insulation Resistance500 Megohms @ 250 VDC min.
 Dielectric Strength500 Volts RMS @ sea level
 Actuator Travel.....0.047" (1.19)
 Life ExpectancyUp to 10,000 Cycles

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)

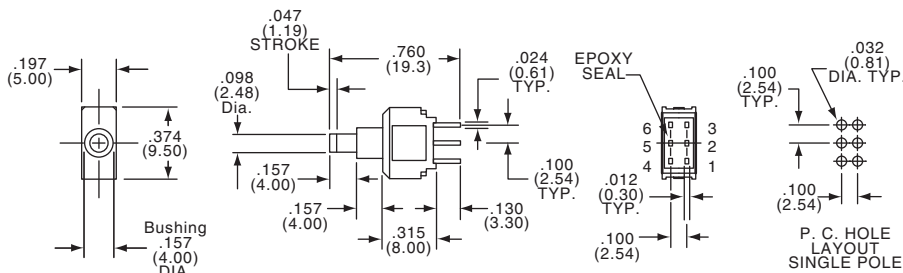
SPDT



Part Number					
Tyco Electronics	Alcoswitch	Type			Contact Type
1-1437567-8	APBE1FGPC	SPDT	On	(On)	Gold
Terminals Connected:			2-3	(2-1)	
(On) indicates momentary position.					

DPDT

Extra compact double pole saves PCB real estate.



Part Number					
Tyco Electronics	Alcoswitch	Type			Contact Type
2-1437567-0	APBE2RGPC	DPDT	On	(On)	Gold
Terminals Connected:			2-3 & 5-6	(2-1 & 5-4)	
(On) indicates momentary position.					

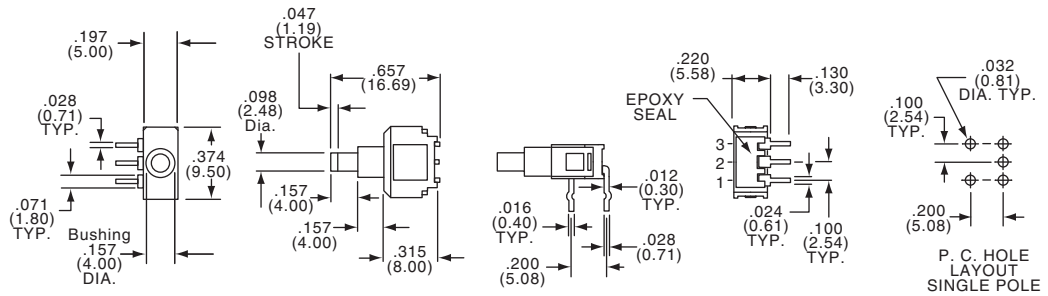
Pushbutton Switches, Process Sealed, .157 Actuator, Retention Terminal, Right Angle

SEE PAGE D19 FOR PRODUCT SPECIFICATIONS.

SPDT



APBE1FGRA



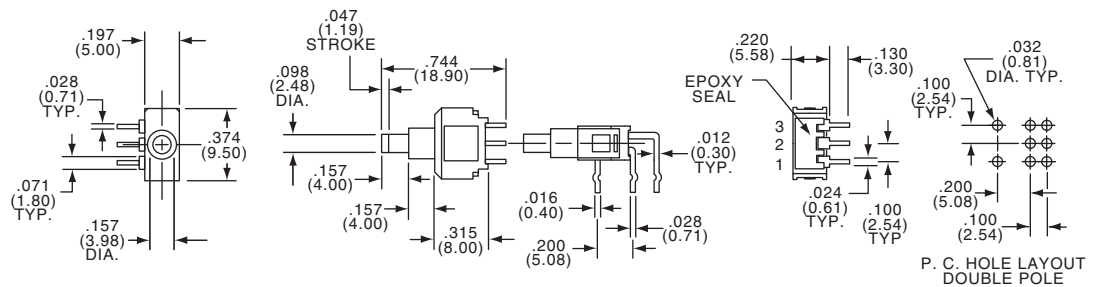
Part Number					
Tyco Electronics	Alcoswitch	Type			Contact Type
1-1437567-9	APBE1FGRA	SPDT	On	(On)	Gold
Terminals Connected:			2-3	(2-1)	
(On) indicates momentary position.					

DPDT

Extra compact double pole saves PCB real estate.



APBE2RGRA



Part Number					
Tyco Electronics	Alcoswitch	Type			Contact Type
2-1437567-1	APBE2RGRA	DPDT	On	(On)	Gold
Terminals Connected:			2-3 & 5-6	(2-1 & 5-4)	
(On) indicates momentary position.					

Pushbutton Switches, Sub-Miniature, Panel Mount

MPA3 Series

MATERIAL SPECIFICATIONS:

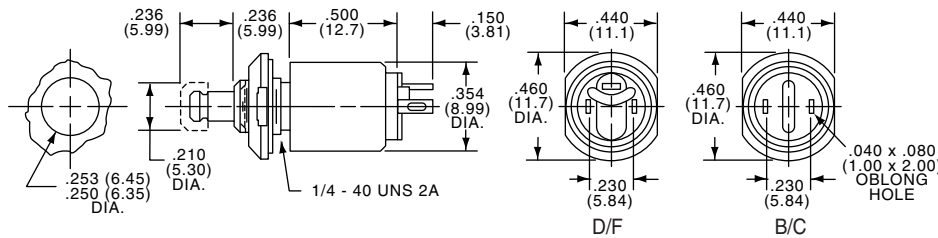
ContactsSilver clad
 Case MaterialThermoset
 Actuator MaterialPolyamide
 TerminalsSilver plate

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +158°F (-20°C to +70°C)
 Storage Temperature.....-40°F to +176°F (-40°C to +80°C)
 Solder Heat ResistanceSee page M3-4

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating3 A @ 125 VAC
 Initial Contact Resistance20 Milliohms max.
 Contact TimingBreak-before-make
 Insulation Resistance1,000 Megohms min.
 Dielectric Strength1,000 Volts RMS @ sea level
 Actuation Force10 oz. SPST, 16 oz. SPDT average
 Actuator Travel.....100" (2.54)
 Life ExpectancyUp to 10,000 Cycles
 Note: Hardware included with switches



SPST/SPDT



MPA103C

Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Action	Contact Rating
2-1437567-4	MPA103B	SPST	14	N. C. Momentary	3 Amps
2-1437567-5	MPA103C	SPST	13	N. O. Momentary	3 Amps
2-1437567-6	MPA103D	SPDT	16	Push on/push off- (tactile)	3 Amps
2-1437567-7	MPA103F	SPDT	15	Momentary - (tactile)	3 Amps

Black Cap supplied. Other colors available, order separately.
 (See Cap C5 and C8 on Page D32.)

MPB Series

Pushbutton Switches, Miniature, Over-Travel

MATERIAL SPECIFICATIONS:

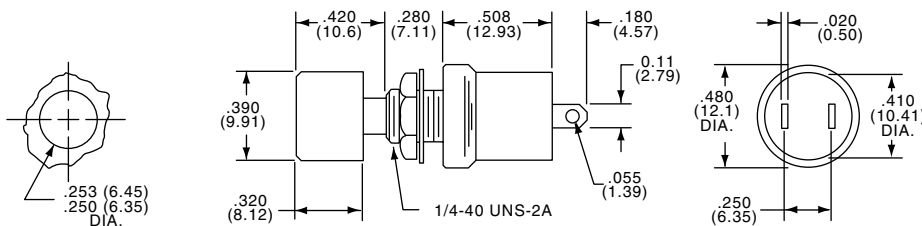
ContactsSilver plate
 Case MaterialThermoset
 Actuator MaterialPolyamide
 TerminalsSilver plate

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+14°F to +140°F (-10°C to +60°C)
 Storage Temperature.....+5°F to +158°F (-15°C to +70°C)
 Solder Heat ResistanceSee page M3-4

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating3 A @ 125 VAC
 Initial Contact Resistance20 Milliohms max.
 Insulation Resistance1,000 Megohms min.
 Dielectric Strength1,000 Volts RMS @ sea level
 Actuator Travel.....100" (2.54) Overtravel .059" (1.5mm)
 Life Expectancy20,000 Cycles
 Note: Hardware included with switches



SPST



MPB103B

Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Action	Actuator Color
3-1437567-9	MPB103B	SPST	14	N.C. Momentary	Black
4-1437567-0	MPB103C	SPST	13	N.O. Momentary	Red