

**Pushbutton Switches, Panel Mount, Wire Lug or PC Tails, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
Case Material.....Thermoset  
Actuator Material .....Nickel plated copper alloy  
Terminals.....Copper with gold flash  
Terminal Seal .....Molded in

**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)  
Solder Heat Resistance .....See page M3-4

Note: Hardware included with switches

**TYPICAL PERFORMANCE CHARACTERISTICS:**

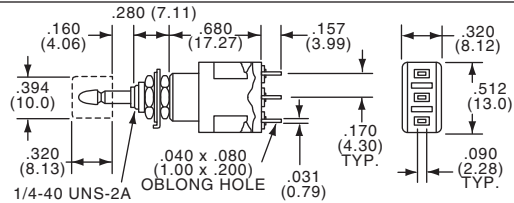
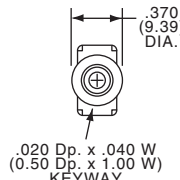
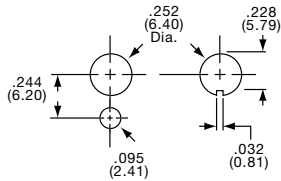
Contact Rating.....6 A @ 125 VAC, 3 A @ 250 VAC  
Initial Contact Resistance .....10 Milliohms max.  
Contact Timing .....Break-before-make  
Insulation Resistance.....1,000 Megohms min.  
Dielectric Strength.....1,500 Volts RMS @ sea level  
Actuation Force .....1.3 to 2.7 lbs.  
Actuator Travel ......140" (3.56)

Life Expectancy.....Up to 50,000 Actuations  
**Cap not supplied, order separately**  
**(See Cap Model C22 and C23 on page D32.)**

**SPDT**



MPA106D

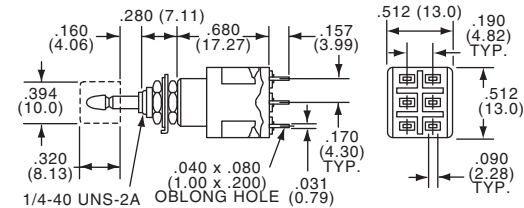
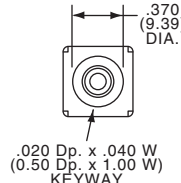
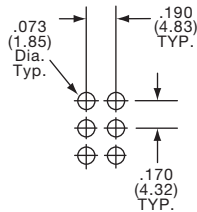


Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
2-1437567-8	MPA106D	SPDT	23		Push-on/Push-off
2-1437567-9	MPA106F	SPDT	19		Momentary

**DPDT**



MPA206N



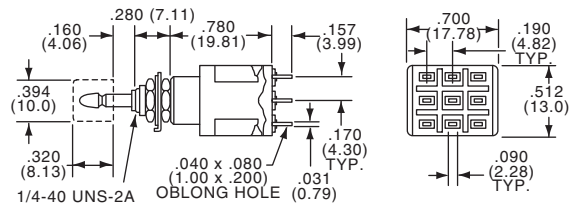
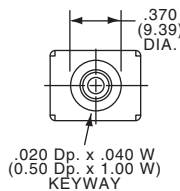
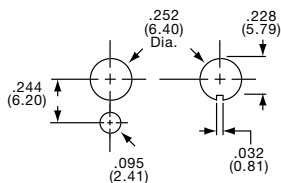
Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
Wirelug Terminals					
3-1437567-1	MPA206N	DPDT	24		Push-on/Push-off
3-1437567-3	MPA206R	DPDT	20		Momentary

Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
PC Terminals					
3-1437567-2	MPA206NPC	DPDT	24		Push-on/Push-off
3-1437567-4	MPA206RPC	DPDT	20		Momentary

**3PDT**



MPA306D

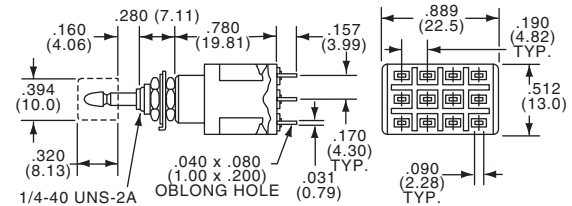
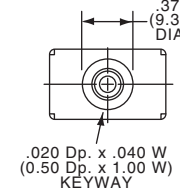
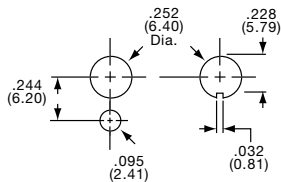


Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
3-1437567-5	MPA306D	3PDT	25		Push-on/Push-off
3-1437567-6	MPA306F	3PDT	21		Momentary

**4PDT**



MPA406N



Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
3-1437567-7	MPA406N	4PDT	26		Push-on/Push-off
3-1437567-8	MPA406R	4PDT	22		Momentary

**Pushbutton Switches, Splashproof, Panel Mount, Wire Lug, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
Case Material .....Thermoset  
Actuator Material .....Nickel plated copper alloy  
Terminals .....Copper with gold flash  
Terminal Seal .....Molded in

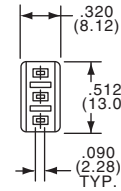
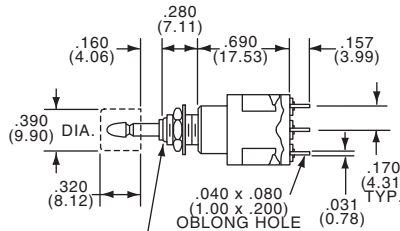
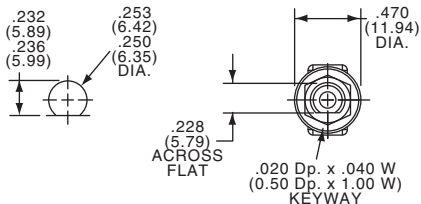
**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature .....-4°F to +176°F (-20°C to +80°C)  
Storage Temperature .....-40°F to +176°F (-40°C to +80°C)  
Note: Hardware included with switches

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....6 A @ 125 VAC, 3 A @ 250 VAC  
Initial Contact Resistance .....10 Milliohms max.  
Contact Timing .....Break-before-make  
Insulation Resistance .....1,000 Megohms min.  
Dielectric Strength .....1,500 Volts RMS @ sea level  
Actuation Force .....1.3 to 2.7 lbs.  
Actuator Travel ......140" (3.56)  
Life Expectancy .....Up to 50,000 Actuations

**Notice: O-ring on shoulder and inside moveable shaft provides splashproof seal. Meets IP65**



SPDT

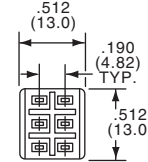
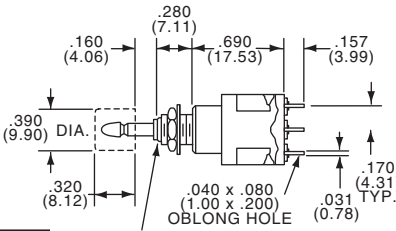
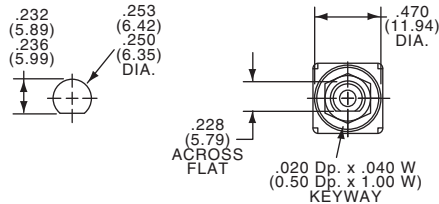


MPE106D

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-2	MPE106D	SPDT	23	Push on/Push off
4-1437567-3	MPE106F	SPDT	19	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32.)



DPDT

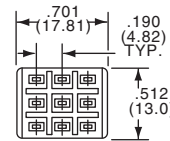
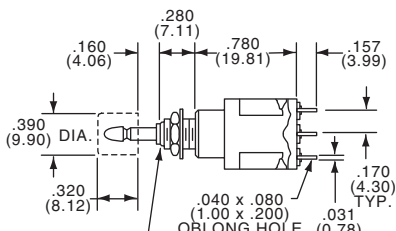
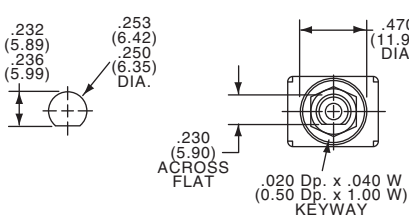


MPE206N

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-4	MPE206N	DPDT	24	Push on/Push off
4-1437567-5	MPE206R	DPDT	20	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32.)



3PDT

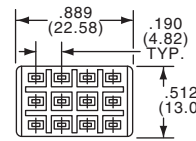
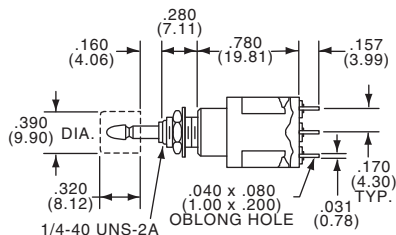
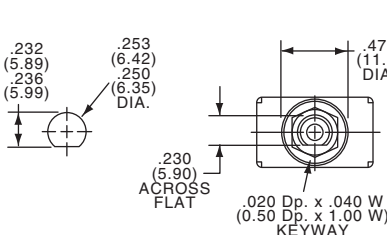


MPE306F

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
—	MPE306D	3PDT	25	Push on/Push off
4-1437567-6	MPE306F	3PDT	21	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32.)



4PDT



MPE406N

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-7	MPE406N	4PDT	26	Push on/Push off
4-1437567-8	MPE406R	4PDT	22	Momentary

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32.)

**Pushbutton Switches, 15/32 Bushing, Mustang, Wire Lug or PC Tails, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
 Case Material .....Thermoset  
 Terminals .....Copper with gold flash finish  
 Terminal Seal .....Molded in

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....6 A @ 125 VAC, 3 A @ 250 VAC  
 Initial Contact Resistance .....10 Milliohms max.  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....1,000 Megohms min.  
 Dielectric Strength .....1,500 Volts RMS @ sea level  
 Actuation Force .....1.3 to 2.7 lbs.  
 Actuator Travel ......138" (3.51)  
 Life Expectancy .....Up to 50,000 Actuations  
 Note: Hardware included with switches

**ENVIRONMENTAL SPECIFICATIONS:**

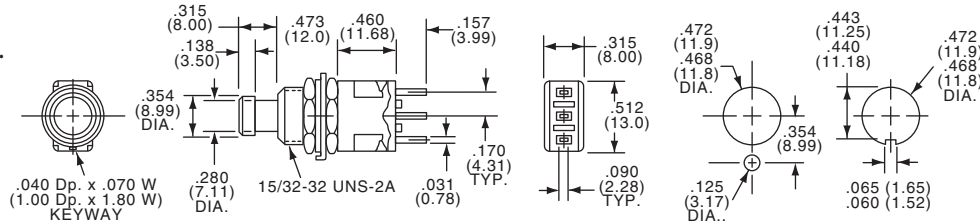
Operating Temperature.....-4°F to +176°F (-20°C to +80°C)  
 Storage Temperature.....-40F to +176°F (-40°C to +80°C)  
 Solder Heat Resistance .....See page M3-4

**SPDT**

Black Cap supplied.



MPG106D



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

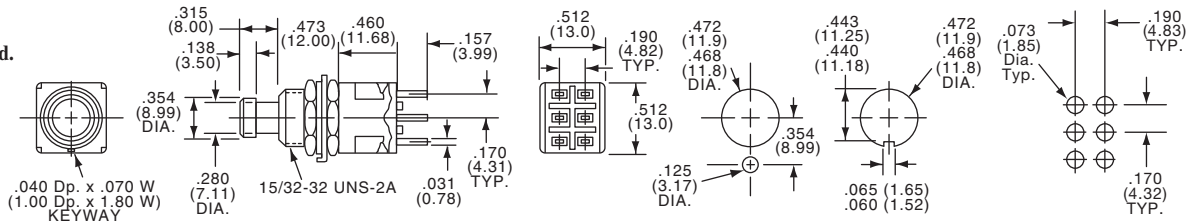
Part Number		Type	Act. Code	P. M6	Action	Terminals
Tyco Electronics	Alcoswitch					
4-1437567-9	MPG106D	SPDT	23		Push on/Push off	Wire Lug
5-1437567-0	MPG106F	SPDT	19		Momentary	Wire Lug

**DPDT**

Black Cap supplied.



MPG206NPC



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

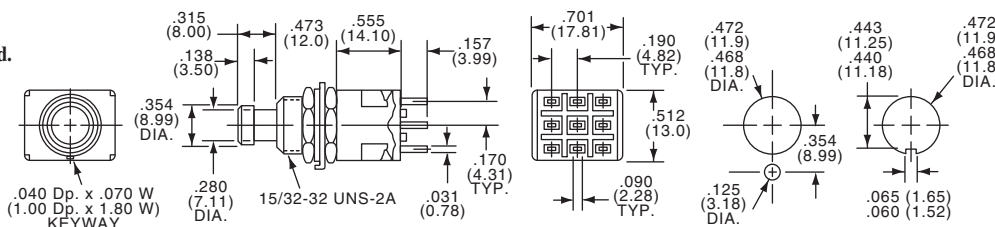
Part Number		Type	Act. Code	P. M6	Action	Terminals
Tyco Electronics	Alcoswitch					
5-1437567-1	MPG206N	DPDT	24		Push on/Push off	Wire Lug
5-1437567-3	MPG206R	DPDT	20		Momentary	Wire Lug
5-1437567-2	MPG206NPC	DPDT	24		Push on/Push off	PC
5-1437567-4	MPG206RPC	DPDT	20		Momentary	PC

**3PDT**

Black Cap supplied.



MPG306D



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

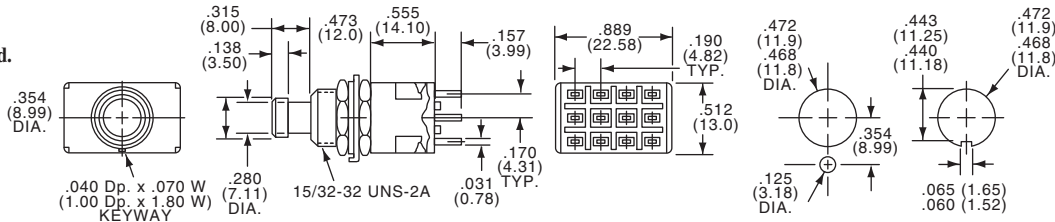
Part Number		Type	Act. Code	P. M6	Action	Terminals
Tyco Electronics	Alcoswitch					
5-1437567-5	MPG306D	3PDT	25		Push on/Push off	Wire Lug
5-1437567-6	MPG306F	3PDT	21		Momentary	Wire Lug

**4PDT**

Black Cap supplied.



MPG406N



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

Part Number		Type	Act. Code	P. M6	Action	Terminals
Tyco Electronics	Alcoswitch					
5-1437567-7	MPG406N	4PDT	25		Push on/Push off	Wire Lug
5-1437567-8	MPG406R	4PDT	21		Momentary	Wire Lug



**Pushbutton Switches, Snap Action, PC or Wire Wrap Tails, 3 Amp**

SPDT/DPDT

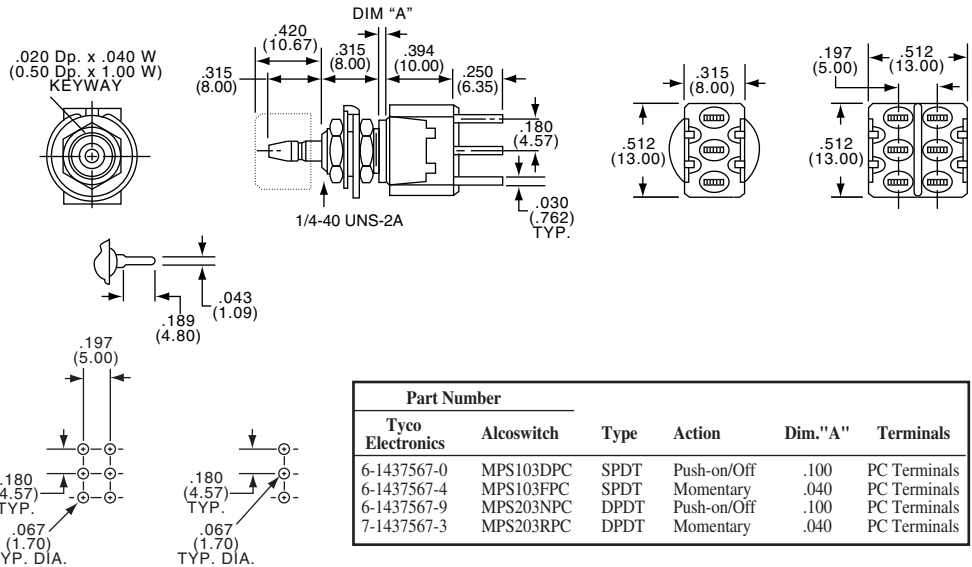
SEE PAGE D25 FOR PRODUCT SPECIFICATIONS



MPS103FPC



MPS203RPC



Part Number					
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
6-1437567-0	MPS103DPC	SPDT	Push-on/Off	.100	PC Terminals
6-1437567-4	MPS103FPC	SPDT	Momentary	.040	PC Terminals
6-1437567-9	MPS203NPC	DPDT	Push-on/Off	.100	PC Terminals
7-1437567-3	MPS203RPC	DPDT	Momentary	.040	PC Terminals

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

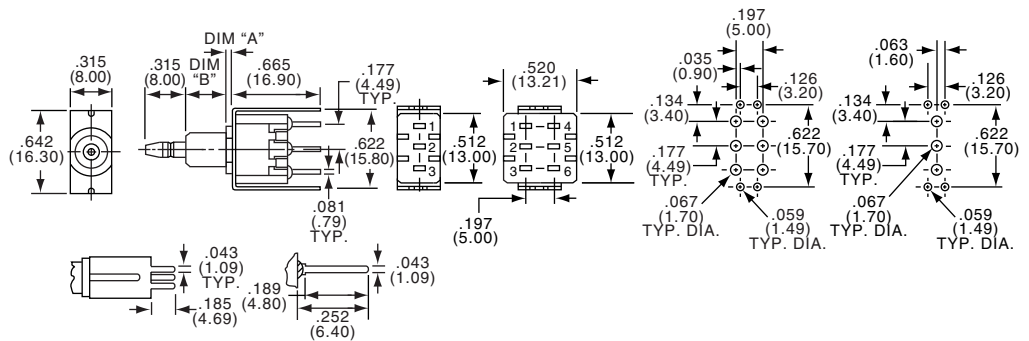
SPDT/DPDT



MPS103FPCV



MPS203RPCV



Part Number						
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Dim."B"	Terminals
6-1437567-1	MPS103DPCV	SPDT	Push-on/Off	.080(2.03)	.315(8.00)	PC w/support
6-1437567-5	MPS103FPCV	SPDT	Momentary	.040(1.01)	.295(7.49)	PC w/support
7-1437567-4	MPS203RPCV	DPDT	Momentary	.040(1.01)	.295(7.49)	PC w/support

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

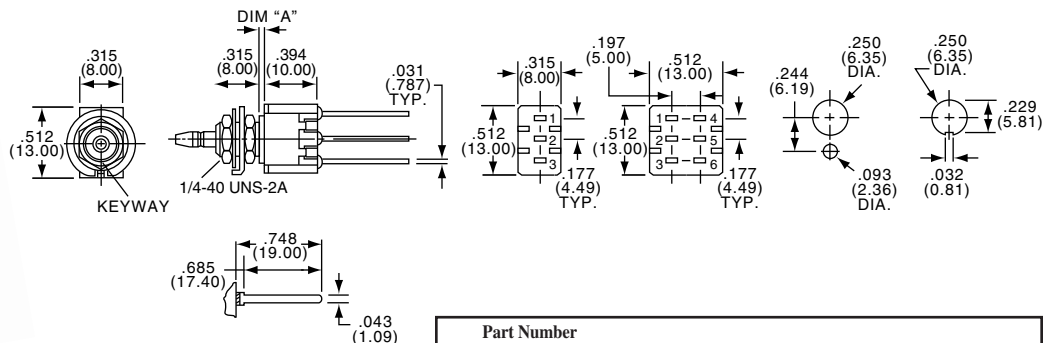
SPDT/DPDT



MPS103FWW



MPS203RWW



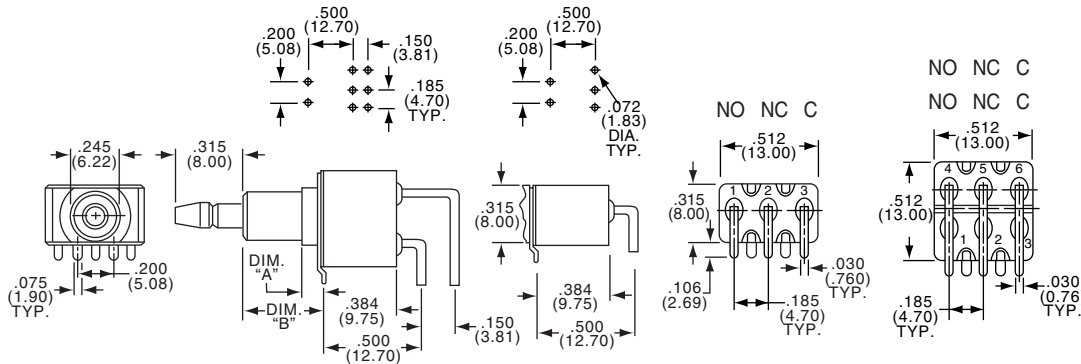
Part Number					
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
6-1437567-7	MPS103FWW	SPDT	Momentary	.040(1.01)	Extended PC
-	MPS203NWW	DPDT	Push-on/Off	.100(2.54)	Extended PC
7-1437567-6	MPS203RWW	DPDT	Momentary	.040(1.01)	Extended PC

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

D  
MPS Series

**Pushbutton Switches, Snap Action, Right Angle, 3 Amp**

SEE PAGE D25 FOR PRODUCT SPECIFICATIONS



SPDT/DPDT



MPS103DRA



MPS203NRA

Part Number						
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Dim."B"	Terminals
6-1437567-2	MPS103DRA	SPDT	Push-on/Off	.100(2.54)	.423(10.7)	Right Angle PC
6-1437567-6	MPS103FRA	SPDT	Momentary	.060(1.52)	.364(9.24)	Right Angle PC
7-1437567-1	MPS203NRA	DPDT	Push-on/Off	.100(2.54)	.423(10.7)	Right Angle PC
7-1437567-5	MPS203RRA	DPDT	Momentary	.060(1.52)	.364(9.24)	Right Angle PC

Caps not supplied, order separately.  
(See Cap Model C22 and C23 on Page D32.)

MSP3/MSPS

**Pushbutton Switches, 2.5mm Travel, Panel Mount**

MATERIAL SPECIFICATIONS:

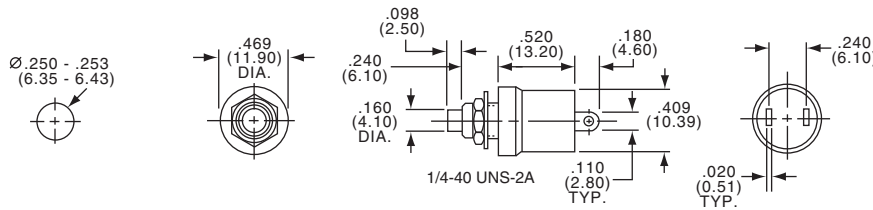
- Contacts .....Silver plate over copper alloy
- Case Material .....Thermoplastic
- Actuator Material .....Thermoplastic
- Terminals .....Silver plate

ENVIRONMENTAL SPECIFICATIONS:

- Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
- Storage Temperature.....+5°F to +153°F (-15°C to +75°C)
- Solder Heat Resistance .....See page M3-4
- Note: Hardware included with switches

TYPICAL PERFORMANCE CHARACTERISTICS:

- Contact Rating .....MSP103 - 3 Amps @ 125 VAC (with over travel) .059" (1.5mm)  
MSPS103 - 0.5 Amps @ 125 VAC (Butt contact)
- Initial Contact Resistance .....100 Milliohms
- Contact Timing .....Break-before-make
- Insulation Resistance .....1,000 Megohms min.
- Dielectric Strength .....1,000 Volts RMS @ sea level
- Life Expectancy .....Up to 10,000 Cycles
- Travel .....2.5 mm



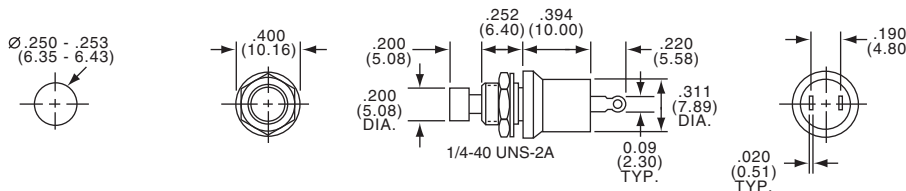
SPST



MSP103B

3 AMPS

Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Momentary Action	Bushing Length	Actuator Color
8-1437567-3	MSP103B	SPST	14	Normally Closed	.236	Black
8-1437567-4	MSP103C	SPST	13	Normally Open	.236	Red
8-1437567-5	MSP103C0	SPST	13	Normally Open	.236	Black
8-1437567-6	MSP103C2	SPST	13	Normally Open	.374	Red



MSPS103B

0.5 AMPS

Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Momentary Action	Bushing Length	Actuator Color
1437568-5	MSPS103B	SPST	14	Normally Closed	.245	Black
1437568-6	MSPS103C2	SPST	13	Normally Open	.245	Red
1437568-7	MSPS103C0	SPST	13	Normally Open	.245	Black

**Pushbutton Switches, Front or Rear Entry Mount, 15/32 Bushing**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver plate  
 Case Material .....Thermoset  
 Actuator Material .....Thermoplastic  
 Terminals .....Silver plate  
 Terminal Seal .....Epoxy

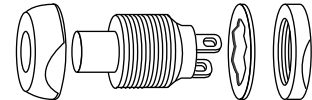
**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....0.5 A @ 125 VAC  
 Initial Contact Resistance .....100 Milliohms  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....1,000 Megohms min.  
 Dielectric Strength .....1,000 Volts RMS @ sea level  
 Actuator Travel......098" (2.49)  
 Life Expectancy .....Up to 10,000 Cycles

**ENVIRONMENTAL SPECIFICATIONS:**

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

Application Note: Illustration shows versatile front or rear entry usage, with hardware supplied.



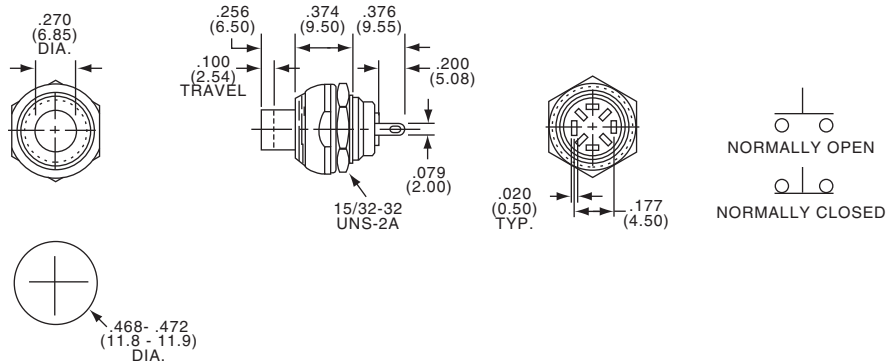
**D**

**MSPF Series**

**SPST**



MSPF101B

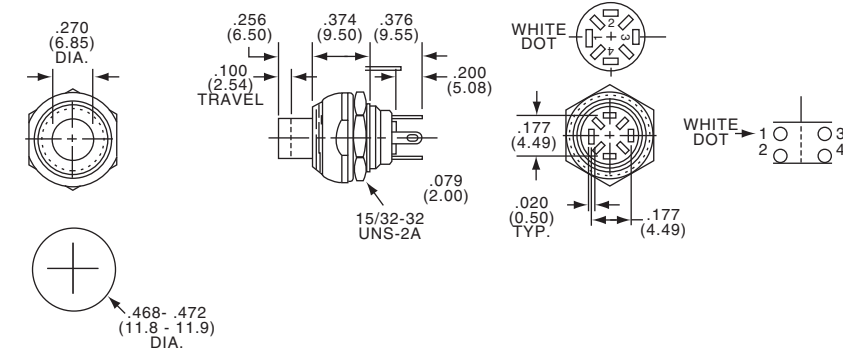


Part Number				
Tyco Electronics	Alcoswitch	Type	Action	Actuator Color
8-1437567-8	MSPF101B	SPST	Normally Closed	Black
9-1437567-3	MSPF101C	SPST	Normally Open	Red

**2 CIRCUIT**



MSPF101BC



Part Number				
Tyco Electronics	Alcoswitch	Type	Action	Actuator Color
8-1437567-9	MSPF101BC0	2 Circuit	Normally open-normally closed	Black
9-1437567-0	MSPF101BC2	2 Circuit	Normally open-normally closed	Red
9-1437567-1	MSPF101BC6	2 Circuit	Normally open-normally closed	Blue
9-1437567-2	MSPF101BC9	2 Circuit	Normally open-normally closed	White