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ELECTRONICS

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Jameco Part Number 548404

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

MATERIAL SPECIFICATIONS:

ContactsSilver clad copper with gold flash
Case Material.....Thermoset
Actuator MaterialNickel plated copper alloy
Terminals.....Copper with gold flash
Terminal SealMolded 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 ResistanceSee page M3-4

Note: Hardware included with switches

TYPICAL PERFORMANCE CHARACTERISTICS:

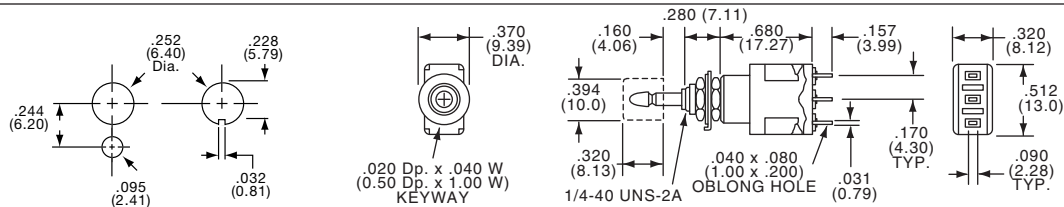
Contact Rating.....6 A @ 125 VAC, 3 A @ 250 VAC
Initial Contact Resistance10 Milliohms max.
Contact TimingBreak-before-make
Insulation Resistance.....1,000 Megohms min.
Dielectric Strength.....1,500 Volts RMS @ sea level
Actuation Force1.3 to 2.7 lbs.
Actuator Travel140" (3.56)
Life Expectancy.....Up to 50,000 Actuations

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

SPDT



MPA106D

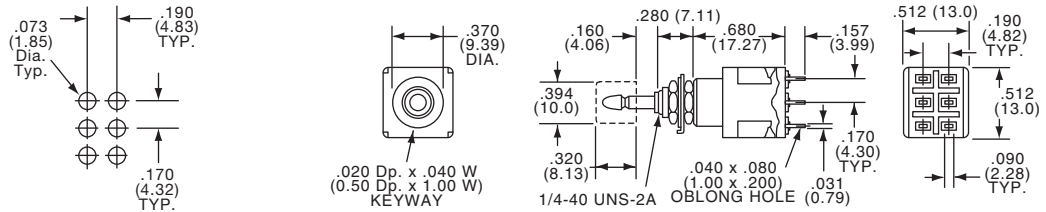


Part Number				
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Action
2-1437567-8	MPA106D	SPDT	23	Push-on/Push-off
2-1437567-9	MPA106F	SPDT	19	Momentary

DPDT



MPA206N



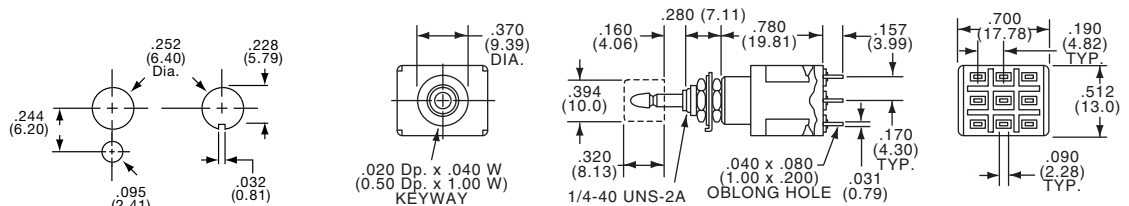
Part Number				
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Action
Wirelug Terminals				
3-1437567-1	MPA206N	DPDT	24	Push-on/Push-off
3-1437567-3	MPA206R	DPDT	20	Momentary

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

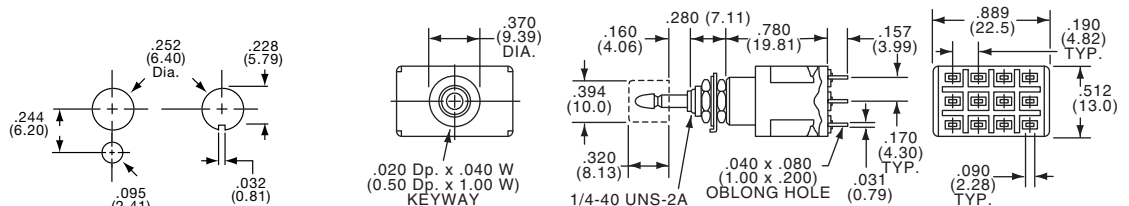


Part Number				
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Action
3-1437567-5	MPA306D	3PDT	25	Push-on/Push-off
3-1437567-6	MPA306F	3PDT	21	Momentary

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:

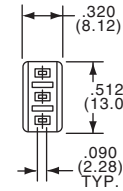
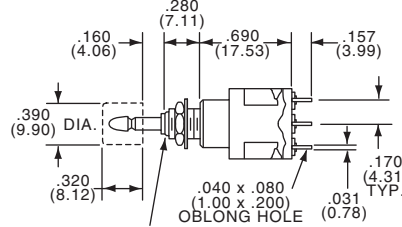
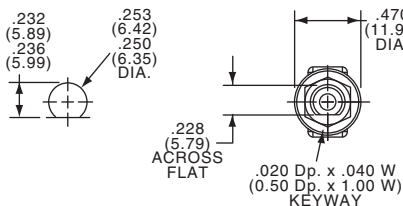
ContactsSilver clad copper with gold flash
Case MaterialThermoset
Actuator MaterialNickel plated copper alloy
TerminalsCopper with gold flash
Terminal SealMolded in

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 Rating6 A @ 125 VAC, 3 A @ 250 VAC
Initial Contact Resistance10 Milliohms max.
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms min.
Dielectric Strength1,500 Volts RMS @ sea level
Actuation Force1.3 to 2.7 lbs.
Actuator Travel140" (3.56)
Life ExpectancyUp to 50,000 Actuations
Notice: O-ring on shoulder and inside moveable shaft provides splashproof seal. Meets IP65



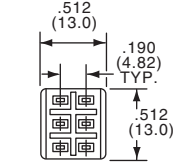
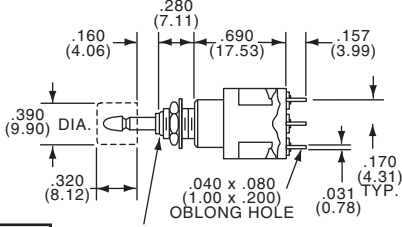
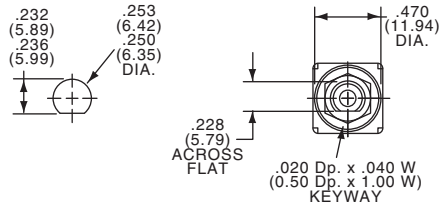
SPDT



MPE106D

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

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



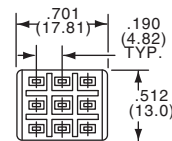
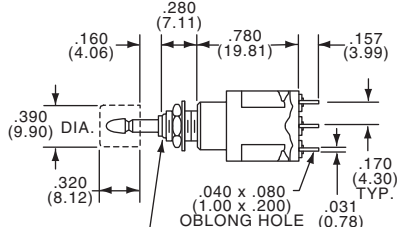
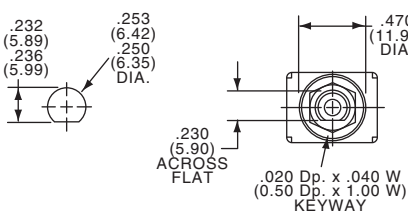
DPDT



MPE206N

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

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



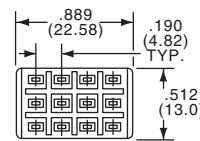
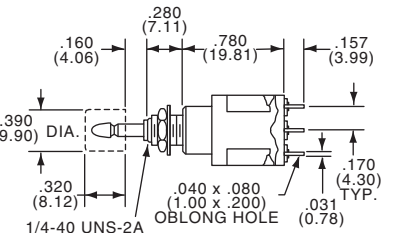
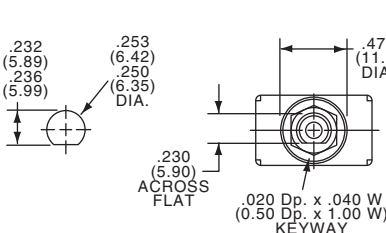
3PDT



MPE306F

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

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



4PDT



MPE406N

Part Number		Act. Code		Action
Tyco Electronics	Alcoswitch	Type	P. M6	
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:

ContactsSilver clad copper with gold flash
Case MaterialThermoset
TerminalsCopper with gold flash finish
Terminal SealMolded 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 ResistanceSee page M3-4

TYPICAL PERFORMANCE CHARACTERISTICS:

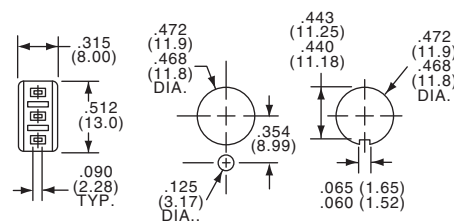
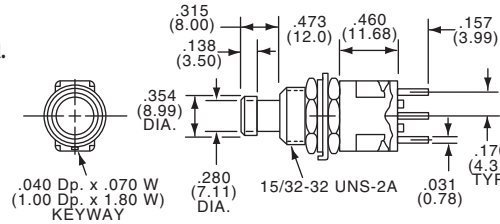
Contact Rating6 A @ 125 VAC, 3 A @ 250 VAC
Initial Contact Resistance10 Milliohms max.
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms min.
Dielectric Strength1,500 Volts RMS @ sea level
Actuation Force1.3 to 2.7 lbs.
Actuator Travel.....138" (3.51)
Life ExpectancyUp to 50,000 Actuations
Note: Hardware included with switches

SPDT

Black Cap supplied.



MPG106D



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

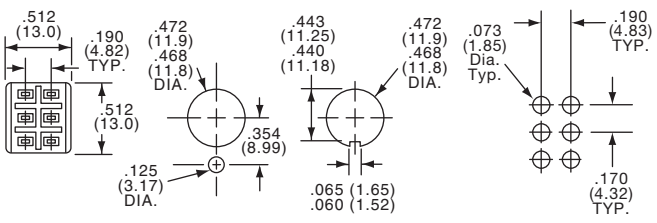
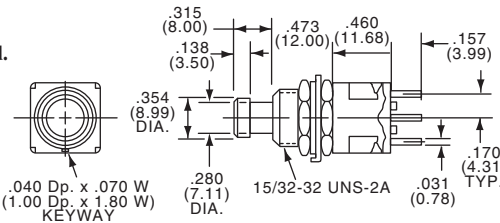
Part Number		Type	Act. Code P. M6	Action	Terminals
Tyco Electronics	Alcoswitch				
4-1437567-9	MPG106D	SPDT	23	Push on/Push off	Wire Lug
5-1437567-0	MPG106F	SPDT	19	Momentary	Wire Lug

DPDT

Black Cap supplied.



MPG206NPC



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

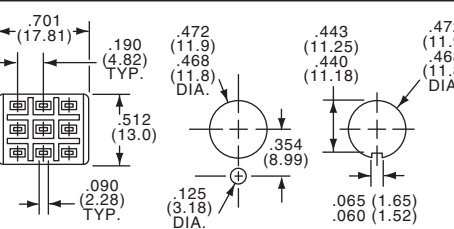
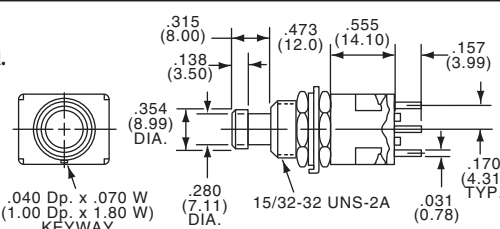
Part Number		Type	Act. Code P. M6	Action	Terminals
Tyco Electronics	Alcoswitch				
5-1437567-1	MPG206N	DPDT	24	Push on/Push off	Wire Lug
5-1437567-3	MPG206R	DPDT	20	Momentary	Wire Lug
5-1437567-2	MPG206NPC	DPDT	24	Push on/Push off	PC
5-1437567-4	MPG206RPC	DPDT	20	Momentary	PC

3PDT

Black Cap supplied.



MPG306D



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

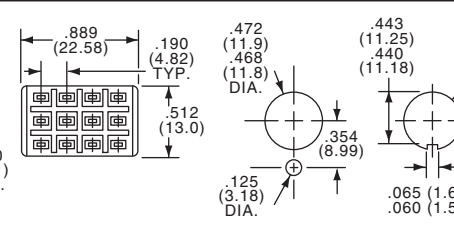
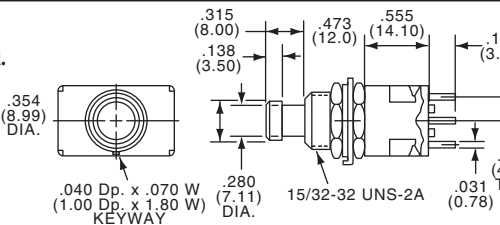
Part Number		Type	Act. Code P. M6	Action	Terminals
Tyco Electronics	Alcoswitch				
5-1437567-5	MPG306D	3PDT	25	Push on/Push off	Wire Lug
5-1437567-6	MPG306F	3PDT	21	Momentary	Wire Lug

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, Wire Lug, 3 Amp

MATERIAL SPECIFICATIONS:

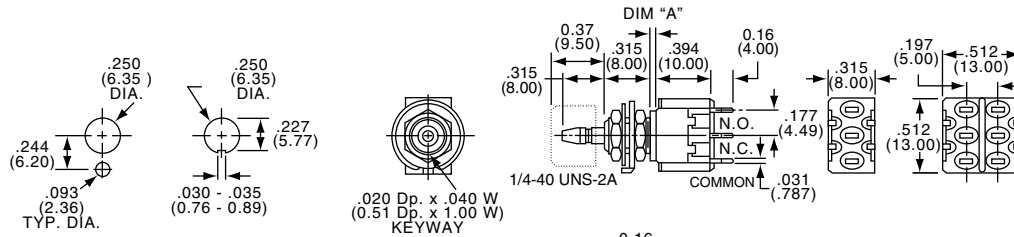
ContactsSilver
Case MaterialEpoxy resin
Actuator MaterialCopper alloy, nickel plate
TerminalsSilver
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+5°F to +158°F (-15°C to +70°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 @ 115 VAC or 28 VDC
Initial Contact Resistance10 Milliohms max.
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms @ 500 VDC min.
Dielectric Strength1,000 Volts RMS @ sea level
Actuation ForceSingle pole - 7 to 14 oz. (200 to 400 grams)
.....Double pole - 14 to 25 oz. (400 to 700 grams)
Actuator Travel.....Momentary .040" (1.02)
.....Push on/off .098" (2.49)
Life ExpectancyUp to 50,000 Actuations

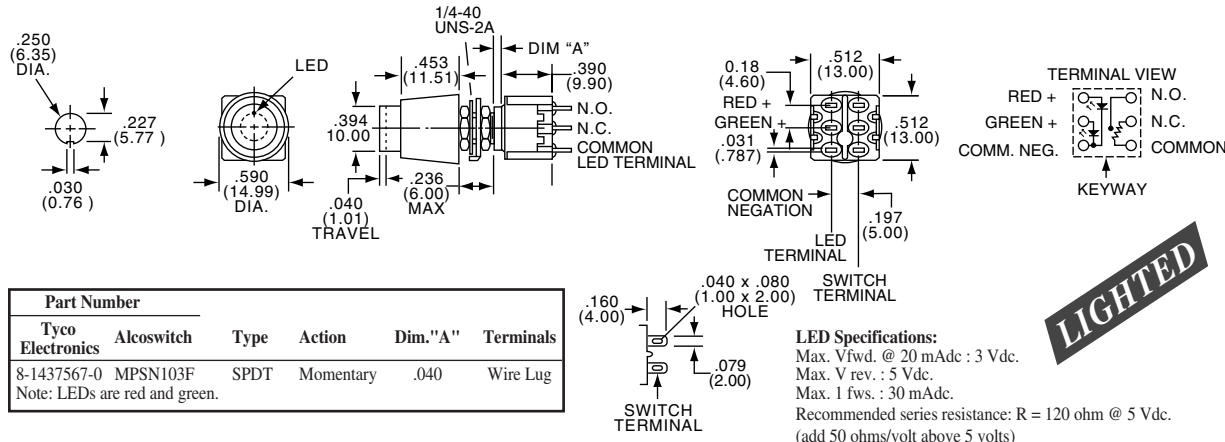


SPDT/DPDT



Part Number	Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
5-1437567-9		MPS103D	SPDT	Push-on/Off	.100	Wire Lug
6-1437567-3		MPS103F	SPDT	Momentary	.040	Wire Lug
6-1437567-8		MPS203N	DPDT	Push-on/Off	.100	Wire Lug
7-1437567-2		MPS203R	DPDT	Momentary	.040	Wire Lug

Note: Hardware included with switches
Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)



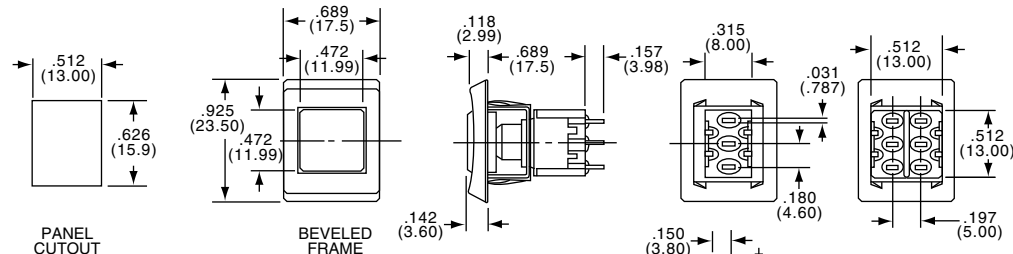
SPDT



Part Number	Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
8-1437567-0		MPSN103F	SPDT	Momentary	.040	Wire Lug

Note: LEDs are red and green.

LED Specifications:
Max. Vfwd. @ 20 mA dc : 3 Vdc.
Max. V rev. : 5 Vdc.
Max. I fws : 30 mA dc.
Recommended series resistance: R = 120 ohm @ 5 Vdc.
(add 50 ohms/volt above 5 volts)



SPDT/DPDT



MPSR103F



MPSR203R

Part Number		Type	Action	Terminals
Tyco Electronics	Alcoswitch			
8-1437567-1	MPSR103F	SPDT	Momentary	Wire Lug
8-1437567-2	MPSR203R	DPDT	Momentary	Wire Lug
	Model	Description		Color
2-1437628-2	SDR0	Plastic beveled frame		Black
5-1437627-5	C330	Square button for MPSR		Black
5-1437627-6	C332	Square button “		Red
5-1437627-8	C339	Square button “		White

C-33(*) Button not supplied, Plastic (black) beveled edged frame Model SDR0, not supplied.
ORDER SEPARATELY

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

SPDT/DPDT

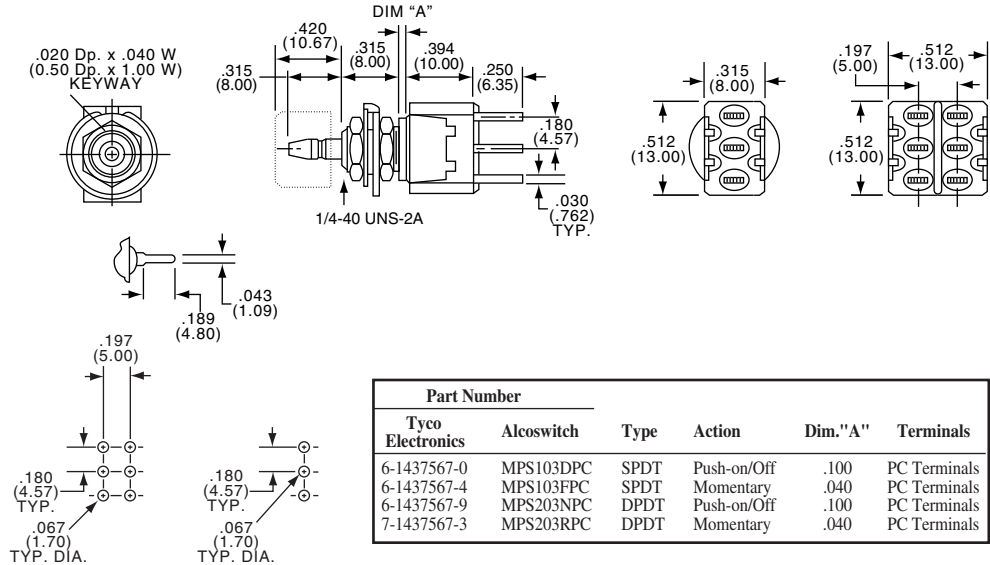
SEE PAGE D25 FOR PRODUCT SPECIFICATIONS



MPS103FPC



MPS203RPC



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

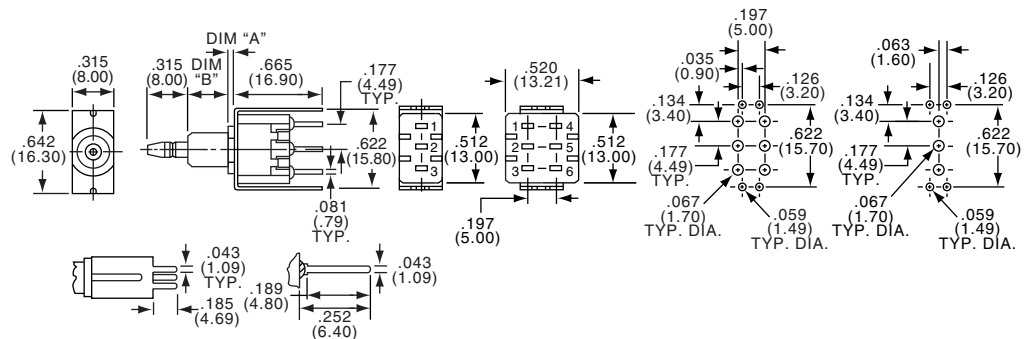
SPDT/DPDT



MPS103FPCV



MPS203RPCV



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

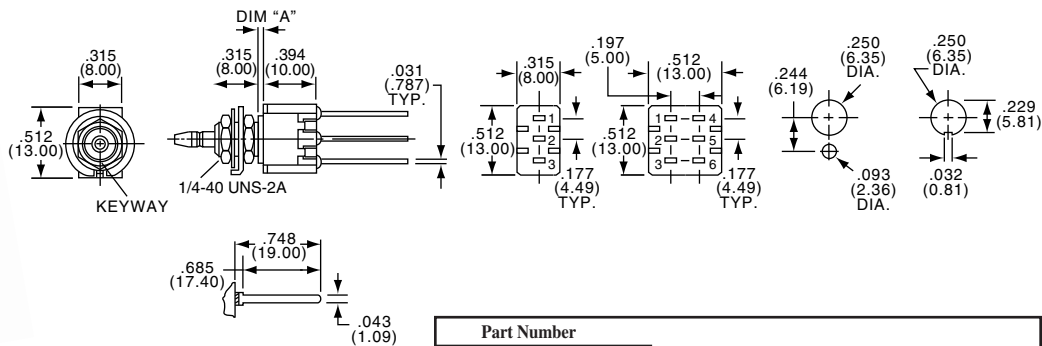
SPDT/DPDT



MPS103FWW



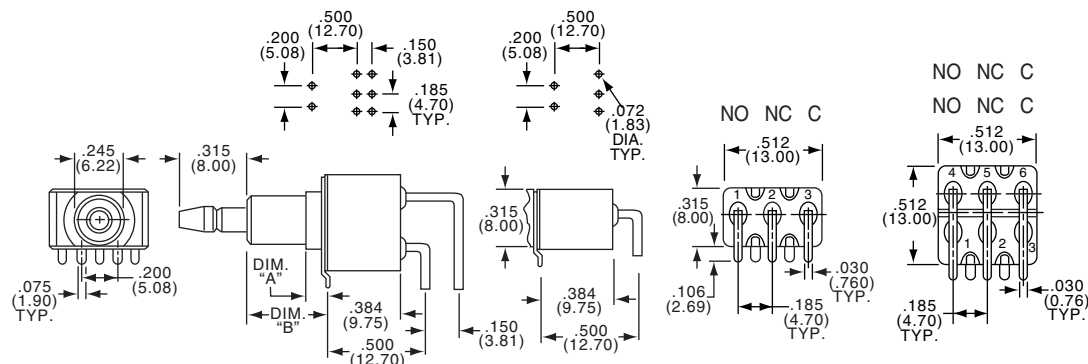
MPS203RWW



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

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:

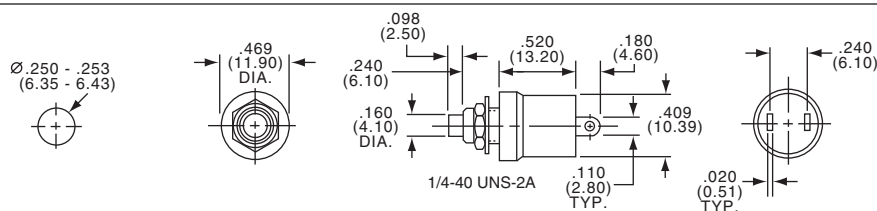
ContactsSilver plate over copper alloy
Case MaterialThermoplastic
Actuator MaterialThermoplastic
TerminalsSilver plate

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 ResistanceSee page M3-4
Note: Hardware included with switches

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact RatingMSP103 - 3 Amps @ 125 VAC
(with over travel) .059" (1.5mm)
MSPS103 - 0.5 Amps @ 125 VAC
(Butt contact)
Initial Contact Resistance100 Milliohms
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms min.
Dielectric Strength1,000 Volts RMS @ sea level
Life ExpectancyUp to 10,000 Cycles
Travel2.5 mm



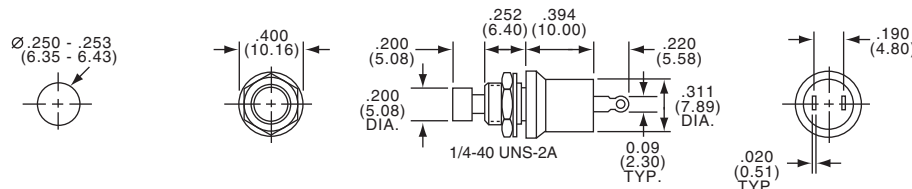
SPST



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:

ContactsSilver plate
Case MaterialThermoset
Actuator MaterialThermoplastic
TerminalsSilver plate
Terminal SealEpoxy

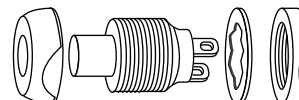
ENVIRONMENTAL SPECIFICATIONS:

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

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating0.5 A @ 125 VAC
Initial Contact Resistance100 Milliohms
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms min.
Dielectric Strength1,000 Volts RMS @ sea level
Actuator Travel......098" (2.49)
Life ExpectancyUp to 10,000 Cycles

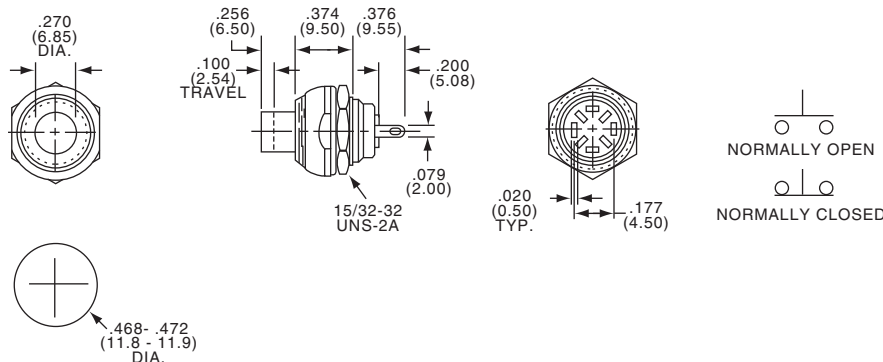
Application Note: Illustration shows versatile front or rear entry usage, with hardware supplied.



SPST



MSPF101B

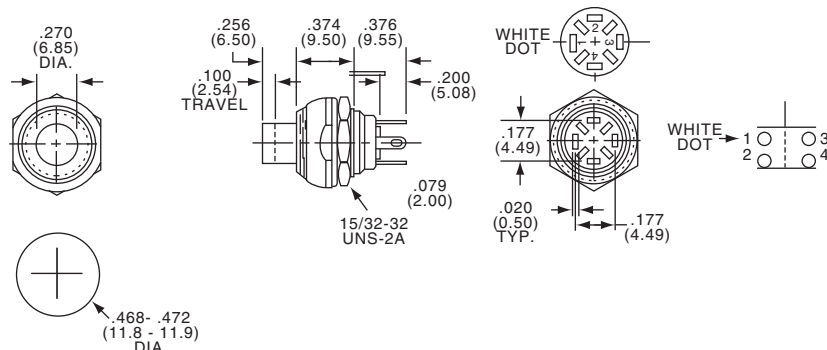


Part Number				
Tyco Electronics	Alcoswitch	Type	Action	Actuator Color
8-1437567-8	MSPF101B	SPST	Normally Closed	Black
9-1437567-3	MSPF101C	SPST	Normally Open	Red

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