

Slide Switches, Low Profile, Instrumentation Grade

MATERIAL SPECIFICATIONS:

ContactsGold or silver over nickel over Cu alloy
 Frame MaterialNickel plated, Steel
 Actuator MaterialPOM 94 HB
 Terminals/Fixed Contacts.....Gold or silver over nickel over Cu alloy
 Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

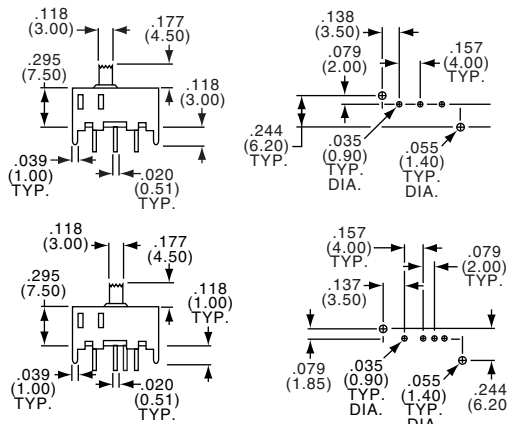
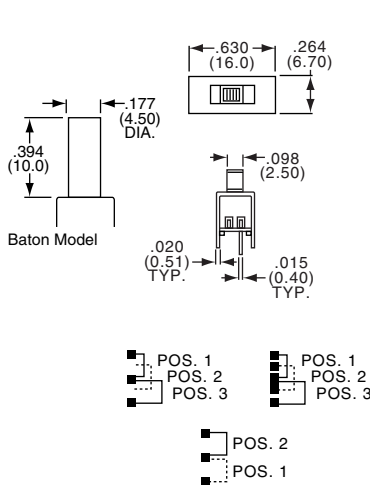
Operating Temperature.....-4°F to +212°F (-20°C to +100°C)
 Storage Temperature.....-40°F to +212°F (-40°C to + 100°C)
 Solder Heat ResistanceSee page M3-4
 Recommended Cleaning.....No chlorine base or Freon can be used.
 Aqueous or 100% ethanol.

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact RatingGold: 0.4 VA 20 VDC or peak AC
 Silver: 300 mA @ 125 VAC
 Initial Contact Resistance20 Milliohms max.
 Contact TimingMake-before-break
 Insulation Resistance1000 Megohms min.
 Dielectric Strength500 Volts RMS @ sea level
 Actuation Force50 to 450 Grams
 Actuator Travel.....0.079"-.158" (2.01-4.01)
 Life ExpectancyUp to 15,000 Cycles

B

MHS Series



SPDT/SP3T

Standard

MHS122
MHS123



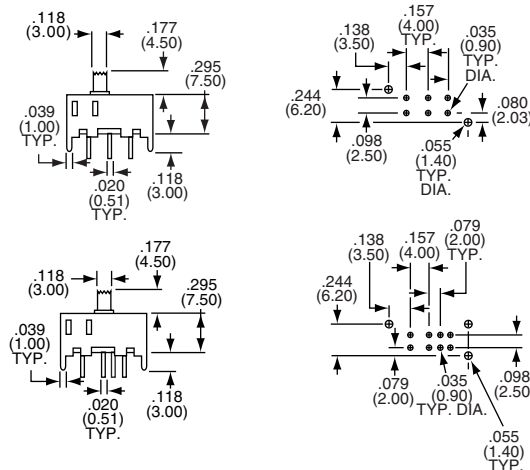
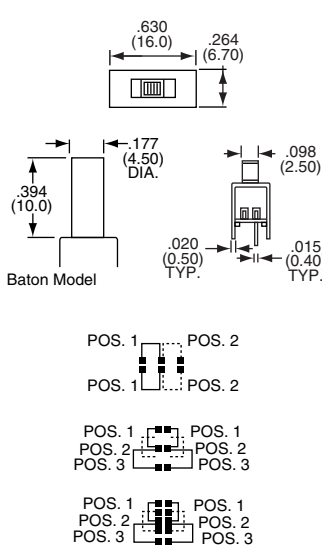
MHS122



MHS122K

MHS133

Standard Model Tyco Electronics	Alcoswitch	Baton Model Tyco Electronics	Alcoswitch	Type	On	Off	On	Contacts
1437576-9	MHS122	1-1437576-2	MHS122K	SPDT	On	None	On	Silver
1-1437576-5	MHS123	1-1437576-7	MHS123K	SPDT	On	Off	On	Silver
1-1437576-9	MHS133	2-1437576-2	MHS133K	SP3T	On	On	On	Silver
1-1437576-0	MHS122G	1-1437576-3	MHS122KG	SPDT	On	None	On	Gold
	MHS123G		MHS123KG	SPDT	On	Off	On	Gold
2-1437576-0	MHS133G	2-1437576-3	MHS133KG	SP3T	On	On	On	Gold



DPDT/DP3T

Standard

MHS222
MHS223



MHS233



MHS233K

MHS233

Standard Model Tyco Electronics	Alcoswitch	Baton Model Tyco Electronics	Alcoswitch	Type	On	Off	On	Contacts
2-1437576-5	MHS222	2-1437576-8	MHS222K	DPDT	On	None	On	Silver
3-1437576-1	MHS223	3-1437576-4	MHS223K	DPDT	On	Off	On	Silver
3-1437576-6	MHS233	3-1437576-9	MHS233K	DP3T	On	On	On	Silver
2-1437576-6	MHS222G	2-1437576-9	MHS222KG	DPDT	On	None	On	Gold
3-1437576-2	MHS223G		MHS223KG	DPDT	On	Off	On	Gold
3-1437576-7	MHS233G	4-1437576-0	MHS233KG	DP3T	On	On	On	Gold

Slide Switches, Low Profile, Right Angle, Instrumentation Grade

SEE PAGE B33 FOR PRODUCT SPECIFICATIONS

B

MHS Series

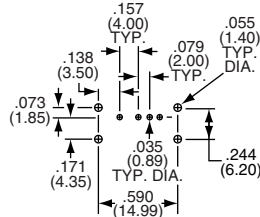
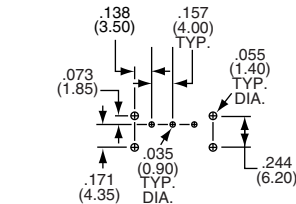
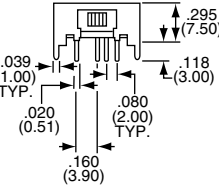
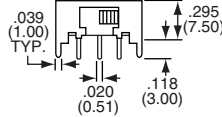
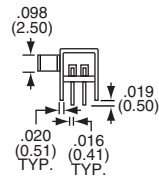
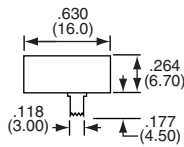
SPDT/SP3T



MHS122RA

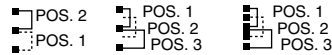


MHS133GRA



MHS122/123

MHS133



Tyco Electronics	Alcoswitch	Type	On	Off	On	Contacts
1-1437576-4	MHS122RA	SPDT	On	None	On	Silver
1-1437576-8	MHS123RA	SPDT	On	Off	On	Silver
2-1437576-4	MHS133RA	SP3T	On	On	On	Silver
1-1437576-1	MHS122GRA	SPDT	On	None	On	Gold
1-1437576-6	MHS123GRA	SPDT	On	Off	On	Gold
2-1437576-1	MHS133GRA	SP3T	On	On	On	Gold

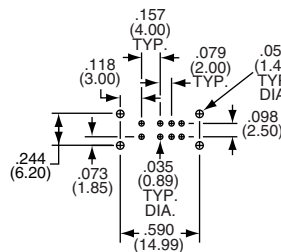
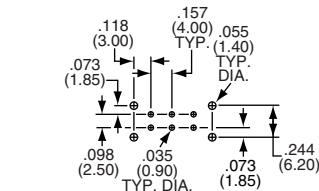
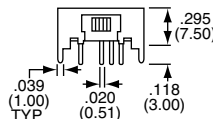
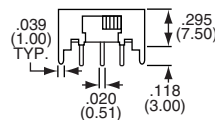
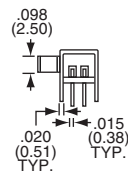
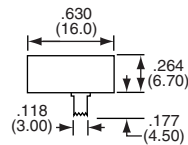
DPDT/DP3T



MHS222RA

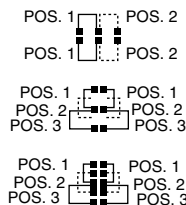


MHS233GRA



MHS222/223

MHS233



Tyco Electronics	Alcoswitch	Type	On	Off	On	Contacts
3-1437576-0	MHS222RA	DPDT	On	None	On	Silver
3-1437576-5	MHS223RA	DPDT	On	Off	On	Silver
4-1437576-1	MHS233RA	DP3T	On	On	On	Silver
2-1437576-7	MHS222GRA	DPDT	On	None	On	Gold
3-1437576-3	MHS223GRA	DPDT	On	Off	On	Gold
3-1437576-8	MHS233GRA	DP3T	On	On	On	Gold

Slide Switches, Micro Size, Instrumentation Grade

MATERIAL SPECIFICATIONS:

ContactsSilver clad plate over copper alloy
 Cover Base MaterialPolyester
 Actuator MaterialPolyacetal
 TerminalsSilver over nickel plate over copper alloy
 Terminal SealMolded in

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+14°F to +140°F (-10°C to +60°C)
 Storage Temperature.....-4°F to +140°F (-20°C to +60°C)
 Solder Heat Resistance270°C+10°C, 5 seconds per MIL-STD-202,
 Method 210

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating100 Milliamps @ 12 VDC
 Initial Contact Resistance20 Milliohms max.
 Contact TimingMake before break
 Insulation Resistance100 Megohms min.
 Dielectric Strength500 Volts RMS @ sea level
 Actuation Force250 Grams, (+200g, -150g)
 Actuator Travel.....0.079" (2.01)
 Life ExpectancyUp to 10,000 Cycles

PCB Hole Layout

Circuit Diagram

SPDT

SSJ12

Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
3-1437575-1	SSJ12	Silver	Upright

PCB Hole Layout

Circuit Diagram

SPDT

SSJ12R

Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
3-1437575-2	SSJ12R	Silver	Right Angle

PCB Hole Layout

Circuit Diagram

SP3T

SSJ13

Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
3-1437575-3	SSJ13	Silver	Upright

Slide Switches, Micro Size, Instrumentation Grade

MATERIAL SPECIFICATIONS:

ContactsSilver over nickel over copper alloy
Case MaterialPolyacetal UL94HB
Actuator MaterialPolyester UL94HB
TerminalsSilver over nickel over copper alloy
Terminal SealEpoxy
Terminal Board.....UL 94 V-O

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+14°F to +140°F (-10°C to +60°C)
Storage Temperature.....+14°F to +140°F (-10°C to +60°C)
Solder Heat Resistance230 ± 150 grams ± 5°C for 3 seconds per MIL-STD-202, Method 210

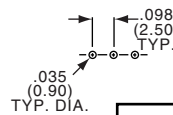
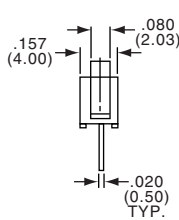
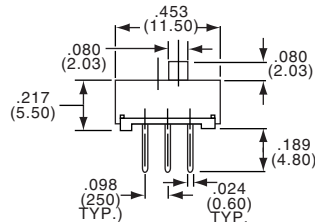
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating100 mA @ 30 VDC or peak AC
Initial Contact Resistance30 Milliohms max.
Contact TimingMake before break
Insulation Resistance100 Megohms min.
Dielectric Strength500 VAC
Actuation Force200 ± 150 Grams
Life ExpectancyUp to 10,000 Cycles

SPDT



MMS12



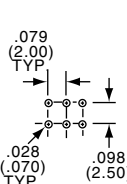
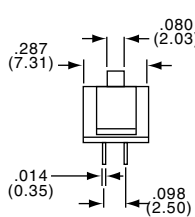
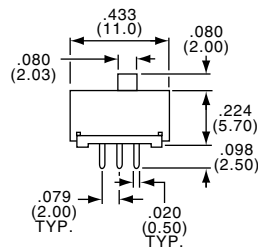
Circuit Diagram

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-4	MMS12	SPDT	Silver	Upright

DPDT



MMS22



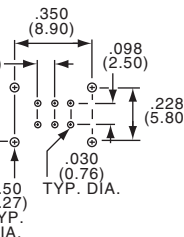
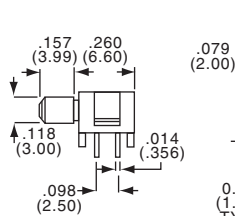
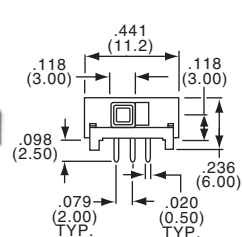
Circuit Diagram

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-5	MMS22	DPDT	Silver	Upright

DPDT



MMS22R



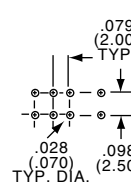
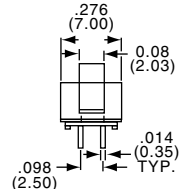
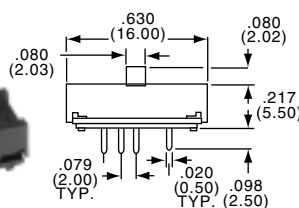
Circuit Diagram

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-6	MMS22R	DPDT	Silver	Right Angle

DP3T



MMS23



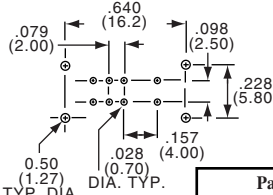
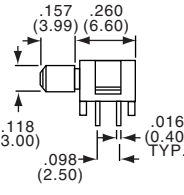
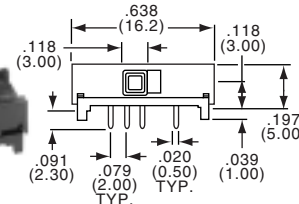
Circuit Diagram

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-8	MMS23	DP3T	Silver	Upright

DP3T



MMS23R



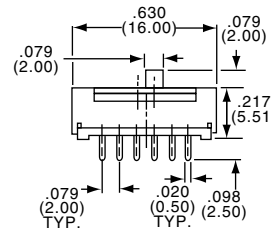
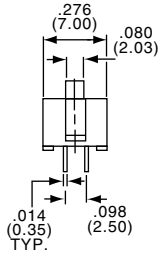
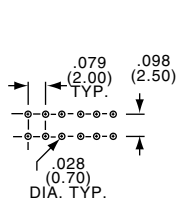
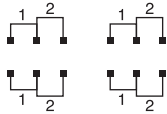
Circuit Diagram

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-9	MMS23R	DP3T	Silver	Right Angle

Slide Switches, Micro Size, Instrumentation Grade

SEE PAGE B36 FOR PRODUCT SPECIFICATIONS

Circuit Diagram



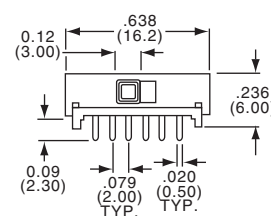
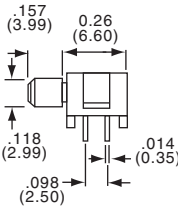
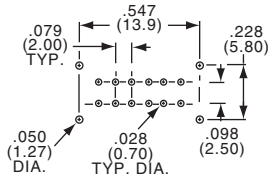
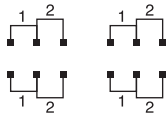
4PDT



MMS42

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1-1437575-0	MMS42	4PDT	Silver	Upright

Circuit Diagram



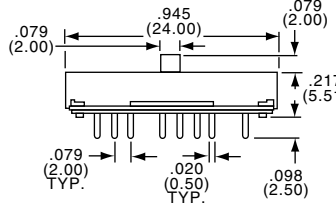
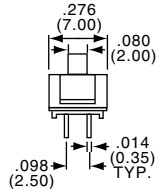
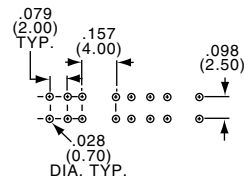
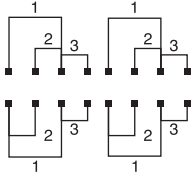
4PDT



MMS42R

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1-1437575-1	MMS42R	4PDT	Silver	Right Angle

Circuit Diagram



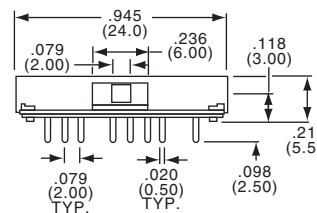
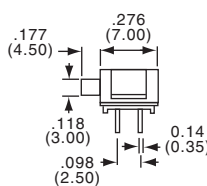
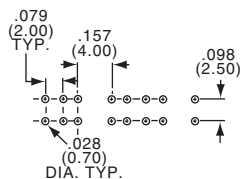
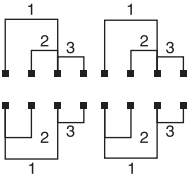
4P3T



MMS43

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1-1437575-2	MMS43	4P3T	Silver	Upright

Circuit Diagram



4P3T



MMS43R

Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1-1437575-3	MMS43R	4P3T	Silver	Right Angle

Slide Switches, Micro Size, Instrumentation Grade

MATERIAL SPECIFICATIONS:

ContactsGold or silver plate over nickel plate
Case MaterialSteel, tin plate
Actuator MaterialPolyacetal UL94HB
TerminalsGold or silver plate over nickel plate
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
Storage Temperature.....-40°F to +212°F (-40°C to +100°C)
Solder Heat Resistance.....+260°C (+500°F) for 5 seconds
per MIL-STD-202, Method 210

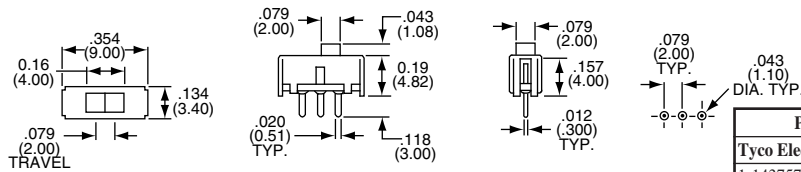
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact RatingGold: 0.4 VA @ 20 VDC or peak AC
Silver: 100 mA @ 30 VDC
Initial Contact Resistance.....30 Milliohms max.
Contact Timing.....Make before break
Insulation Resistance100 Megohms min.
Dielectric Strength500 VAC
Actuation Force250 ± 150 Grams
Life ExpectancyUp to 10,000 Cycles
Travel0.079" (2.01)

SPDT



SSB12



Circuit Diagram

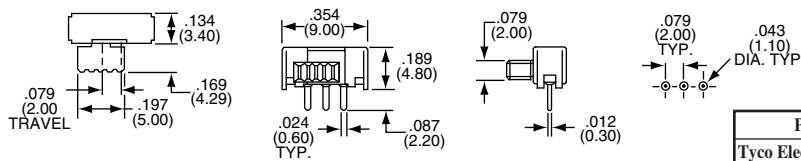


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1-1437575-8	SSB12	SPDT	Silver	Upright
1-1437575-9	SSB12G	SPDT	Gold	Upright

SPDT



SSB12R



Circuit Diagram

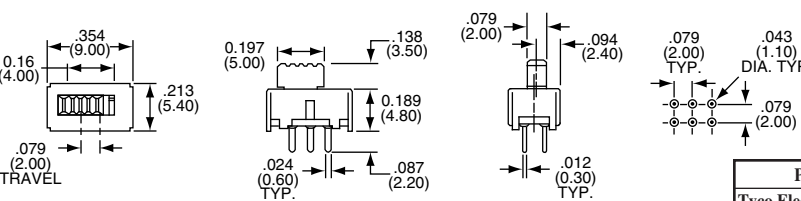


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
2-1437575-0	SSB12R	SPDT	Silver	Right Angle
2-1437575-1	SSB12RG	SPDT	Gold	Right Angle

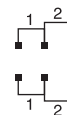
DPDT



SSB22



Circuit Diagram

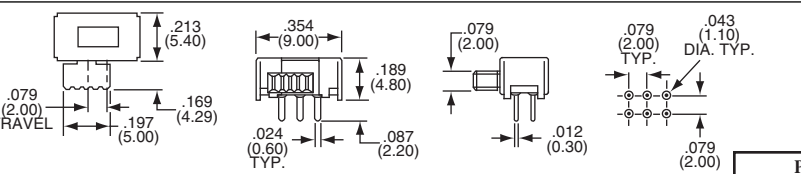


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
2-1437575-2	SSB22	DPDT	Silver	Upright
2-1437575-3	SSB22G	DPDT	Gold	Upright

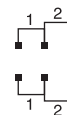
DPDT



SSB22R



Circuit Diagram

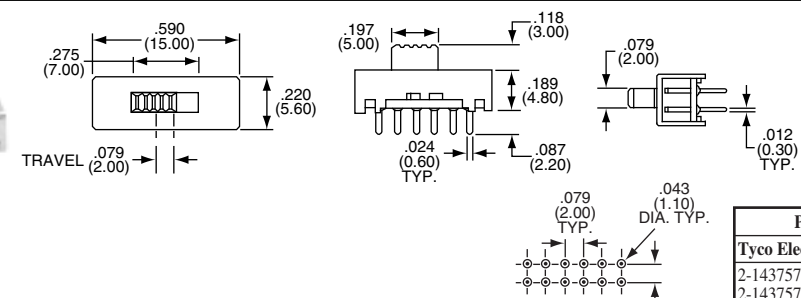


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
2-1437575-4	SSB22R	DPDT	Silver	Right Angle
2-1437575-5	SSB22RG	DPDT	Gold	Right Angle

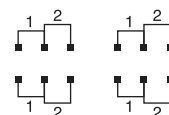
4PDT



SSB42



Circuit Diagram



Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
2-1437575-8	SSB42	4PDT	Silver	Upright
2-1437575-9	SSB42G	4PDT	Gold	Upright

Slide Switches, Micro Size, Instrumentation Grade

MATERIAL SPECIFICATIONS:

ContactsSilver or gold plate
Case MaterialPolyester PPS UL94VO
Actuator MaterialPolyamide UL94HB
Cover MaterialPolyamide UL94HB
TerminalsSilver or gold plate
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +158°F (-20°C to +70°C)
Storage Temperature.....-40°F to +194°F (-40°C to +90°C)
Solder Heat Resistance260°C (+500°F) for 5 seconds
per MIL-STD-202, Method 210

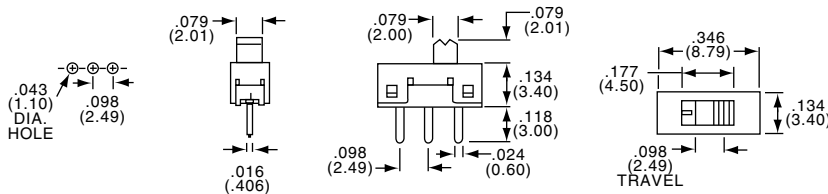
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact RatingGold: 0.4 VA max. @ 20 VDC or peak AC
Silver: 100 Milliamps @ 30 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak-Before-Make
Insulation Resistance100 Megohms min.
Dielectric Strength500 VAC
Actuation Force250 ± 100 Grams
Actuator Travel.....0.098" (2.49)
Life ExpectancyUp to 10,000 Cycles

B

SSA Series

SPDT



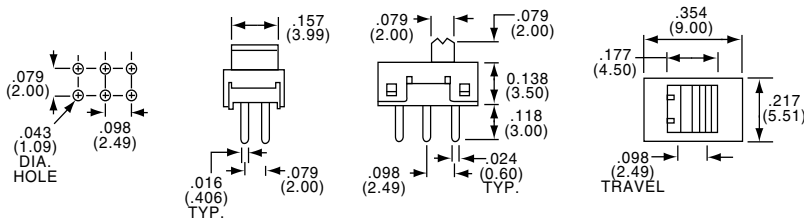
SSA12

Circuit Diagram



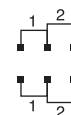
Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
1-1437575-4	SSA12	Silver	Upright
1-1437575-5	SSA12G	Gold	Upright

DPDT



SSA22

Circuit Diagram



Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
1-1437575-6	SSA22	Silver	Upright
1-1437575-7	SSA22G	Gold	Upright

Slide Switches, PC Tails, Wiping Contact, Consumer Grade

MATERIAL SPECIFICATIONS:

ContactsSilver plate over copper alloy
Case MaterialSteel
Actuator MaterialPolycarbonate
Terminals/Fixed Contacts.....Silver plate over copper alloy
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....14°F to +140°F (-10°C to +60°C)
Storage Temperature.....14°F to +140°F (-10°C to +60°C)

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating250 mA @ 125 VAC, 150 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak before make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation Force100-300 Grams
Actuator Travel.....0.126" (3.20)
Life ExpectancyUp to 10,000 Cycles

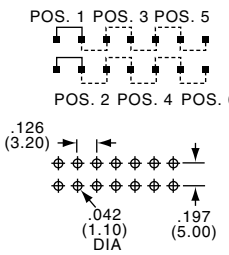
2 TO 6 POSITIONS



SLS250PC SLS220PC

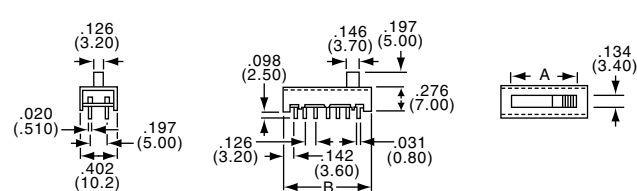


SLS240PCA SLS230PC



POS. 1 POS. 3 POS. 5
POS. 2 POS. 4 POS. 6

.126 (3.20)
.042 (1.10) DIA
.197 (5.00)



.126 (3.20)
.020 (.510)
.197 (5.00)
.402 (10.2)
.146 (3.70)
.197 (5.00)
.098 (2.50)
.276 (7.00)
.134 (3.40)
.031 (0.80)
.142 (3.60)
B

Part Number		Type	Dim.A	Dim.B
Tyco Electronics	Alcoswitch			
3-1437577-9	SLS220PC	2 Positions	.272(6.91)	.535(13.59)
4-1437577-1	SLS230PC	3 Positions	.398(10.11)	.661(16.79)
4-1437577-3	SLS240PCA	4 Positions	.524(13.31)	.787(19.99)
4-1437577-5	SLS250PC	5 Positions	.650(16.51)	.913(23.19)
4-1437577-7	SLS260PC	6 Positions	.776(19.71)	1.039(26.39)

SL Series

Slide Switches, PC Tails, Lever or Knob Actuator

2 TO 10 POSITIONS



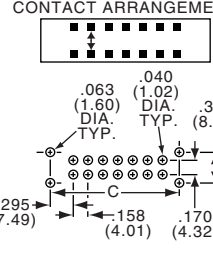
SL660
(with KSS KNOB)



SL550

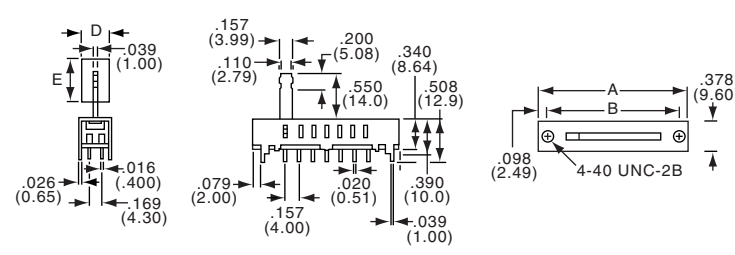


SL770



CONTACT ARRANGEMENT

.063 (1.60) DIA. TYP.
.040 (1.02) DIA. TYP.
.353 (8.97)
.295 (7.49)
.158 (4.01)
.170 (4.32)
C



.157 (3.99)
.110 (2.79)
.200 (5.08)
.340 (8.64)
.508 (12.9)
.550 (14.0)
.390 (10.0)
.020 (0.51)
.079 (2.00)
.157 (4.00)
.039 (1.00)
.026 (0.65)
.016 (.400)
.169 (4.30)
D
E
A
B
4-40 UNC-2B
.378 (9.60)
.098 (2.49)

Part Number		Type	Dim. A	Dim. B	Dim. C	Knob Only	Description	Dim. D	Dim. E
Tyco Electronics	Alcoswitch								
1437577-9	SL220	2 Positions	.95(24.13)	.750(19.05)	.750(19.05)	KSS10A	Aluminum-Clear Anodize	.270(6.86)	.500(12.70)
1-1437577-0	SL330	3 Positions	1.11(28.19)	.910(23.1)	.910(23.1)	KSS10B	Aluminum-Black Anodize	.270(6.86)	.500(12.70)
1-1437577-1	SL550	5 Positions	1.42(36.07)	1.22(30.99)	1.22(31.1)	KSS20A	Aluminum-Clear Anodize	.305(7.75)	.512(13.00)
1-1437577-2	SL660	6 Positions	1.58(40.13)	1.38(35.05)	1.38(35.1)	KSS20B	Aluminum-Black Anodize	.305(7.75)	.512(13.00)
1-1437577-3	SL770	7 Positions	1.74(44.20)	1.54(39.12)	1.54(39.1)				
1-1437577-4	SL880	8 Positions	1.89(48.01)	1.70(43.18)	1.70(43.1)				
1437577-8	SL1000	10 Positions	2.21(56.13)	2.01(51.05)	2.01(51.5)				

Slide Switches, Panel Mount, Wiping Contact, Consumer Grade

MATERIAL SPECIFICATIONS:

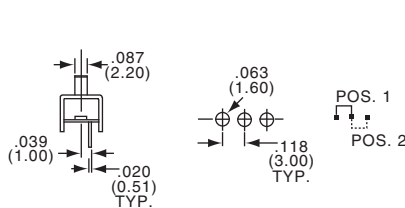
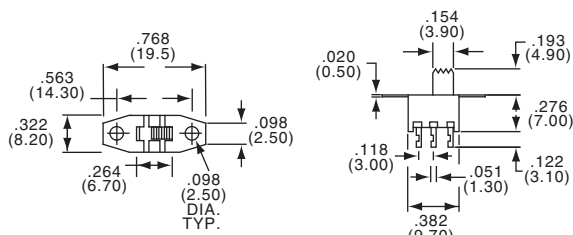
ContactsSilver over nickel plate copper alloy
Case MaterialSteel-zinc plated
Actuator MaterialPBT 30% glass
Terminals/Fixed Contacts.....Silver over nickel plate copper alloy
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +185°F (-20°C to +85°C)
Storage Temperature.....-40°F to +212°F (-40°C to +100°C)
Solder Heat Resistance+300°C (+572°F) for 5 seconds

TYPICAL PERFORMANCE CHARACTERISTICS:

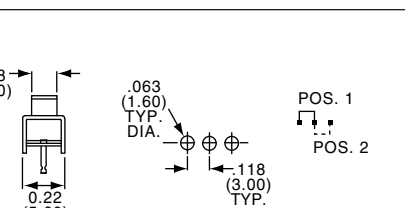
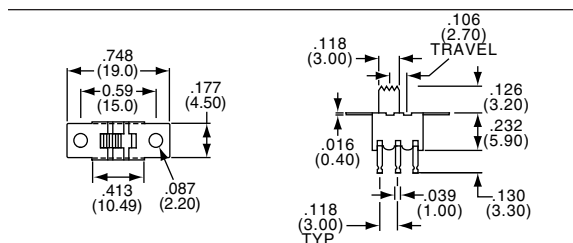
Contact Rating500 mA @ 125 VAC, 200 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak-Before-Make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation ForceSLS: 100-300 Grams; SLSA: 220, 300 -500 Grams
Plunger/Actuator Travel:0.106" (2.69)
Life ExpectancyUp to 10,000 Cycles



SPDT

SLS120

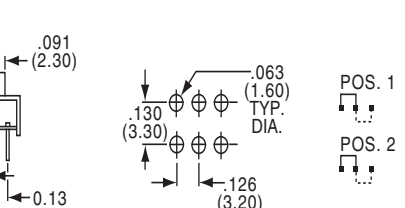
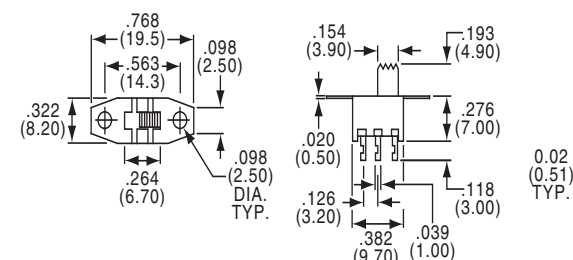
Part Number					
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals	Contacts
1-1437577-5	SLS120	SPDT	Panel	Lug	



SPDT

SLA120

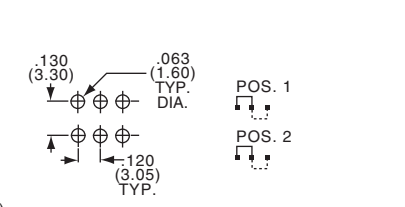
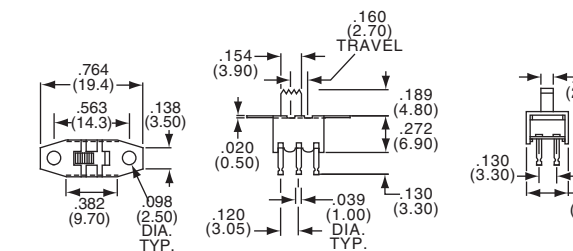
Part Number					
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals	Contacts
5-1437577-3	SLA120	SPDT	Panel	Turret	



DPDT

SLS220

Part Number					
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals	Contacts
3-1437577-7	SLS220	DPDT	Panel	Lug	



DPDT

SLA220

Part Number					
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals	Contacts
5-1437577-5	SLA220	DPDT	Panel	Turret	

Slide Switches, Wiping Contacts, Consumer Grade

MATERIAL SPECIFICATIONS:

ContactsCopper alloy-silver/nickel
Case MaterialSteel-zinc plate
Actuator MaterialPBT 30% Glass
Terminals/Fixed Contacts.....Copper, alloy, silver/nickel plate
Terminal SealEpoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +185°F (-20°C to +85°C)
Storage Temperature.....-40°F to +212°F (-40°C to +100°C)
Solder Heat Resistance+300°C (+572°F) for 5 seconds

TYPICAL PERFORMANCE CHARACTERISTICS:

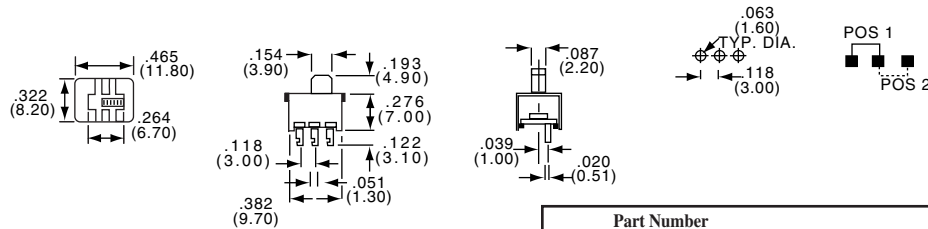
Contact Rating500 mA @ 125 VAC, 200 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak before make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation Force350±150 Grams
Plunger/Actuator Travel:0.106 (2.69)
Life ExpectancyUp to 10,000 Cycles

SPDT



Lug

SLS1201



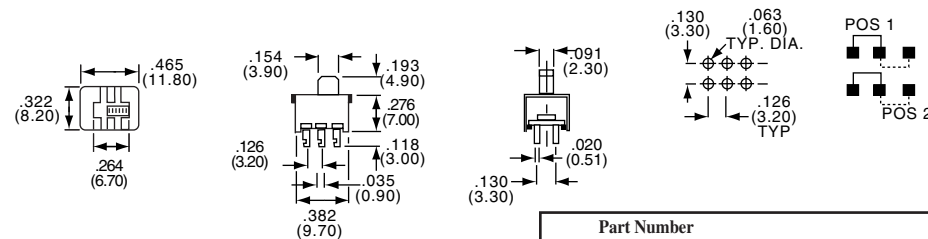
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
1-1437577-6	SLS1201	SPDT	PC	Lug

DPDT



Lug

SLS2201



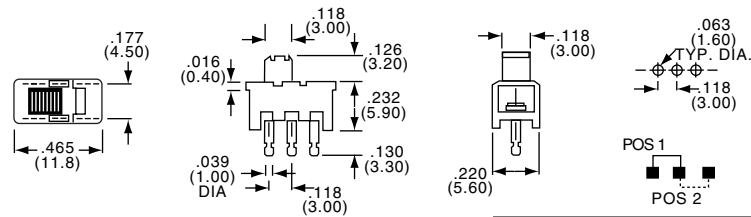
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
3-1437577-8	SLS2201	DPDT	PC	Lug

SPDT



Turret

SLSA1201



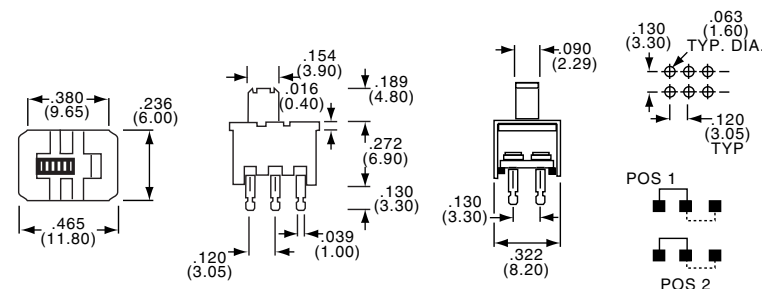
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
5-1437577-4	SLSA1201	SPDT	PC	Turret

DPDT



Turret

SLSA2201



Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
5-1437577-6	SLSA2201	DPDT	PC	Turret

Slide Switches, Miniature, Rolling Contact, Economy Grade

MATERIAL SPECIFICATIONS:

ContactsSilver over nickel plate over copper alloy
Case MaterialTin plate over steel
Actuator MaterialPolycarbonate
Terminals/Fixed Contacts.....Silver over nickel plate over copper alloy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....14°F to +185°F (-10°C to +85°C)
Storage Temperature.....14°F to +185°F (-10°C to +85°C)

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating250 mA @ 125 VAC, 150 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak before make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation Force340 ± 57 Grams
Actuator Travel.....0.126" (3.20)
Life ExpectancyUp to 6,000 to 10,000 Cycles

SPDT

Part Number

Tyco Electronics	Alcoswitch	Mounting Style
1-1437577-9	SLS121PC	Printed Circuit

SLS121PC

SPDT

Part Number

Tyco Electronics	Alcoswitch	Mounting Style
2-1437577-2	SLS121RA	Right Angle PC

SLS121RA

SPDT

Part Number

Tyco Electronics	Alcoswitch	Mounting Style
1-1437577-8	SLS1211	Printed Circuit

SLS1211

SPDT

Part Number

Tyco Electronics	Alcoswitch	Mounting Style
1-1437577-7	SLS121	Panel Mounted

SLS121

Slide Switches, Miniature, Rolling Contact, Economy Grade

MATERIAL SPECIFICATIONS:

ContactsSilver over nickel flash over copper alloy
Case MaterialSteel
Actuator MaterialPolycarbonate
Terminals/Fixed Contacts.....Silver over nickel over copper alloy

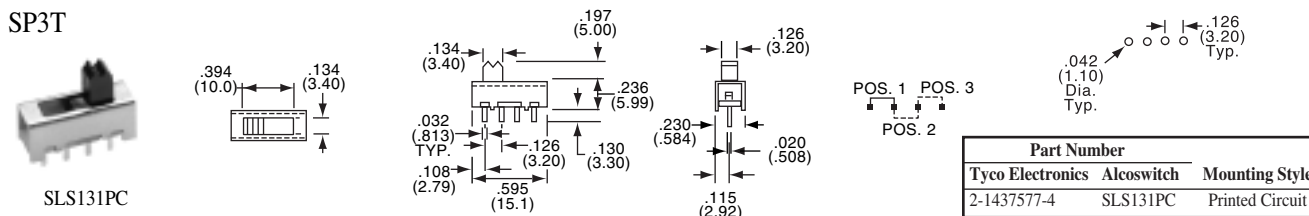
ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+14°F to +185°F (-10°C to +85°C)
Storage Temperature.....+14°F to +185°F (-10°C to +85°C)
Solder Heat Resistance+260°C for 5 seconds

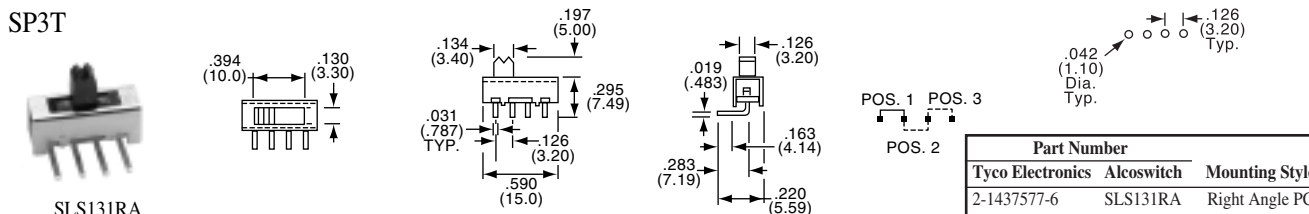
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating250mA @ 125 VAC
150mA @ 12VDC
Initial Contact Resistance20 Milliohms max.
Contact TimingBreak-Before-Make
Insulation Resistance>50 Megohms.
Dielectric Strength500 Volts RMS @ sea level
Actuation Force340 ± 57 Grams
Plunger/Actuator Travel:0.260" to 0.512" (6.60-13.00)
Life ExpectancyUp to 10,000 Cycles at no load

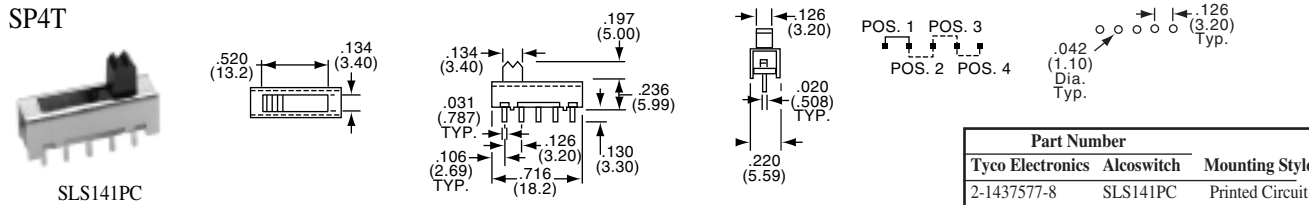
SP3T



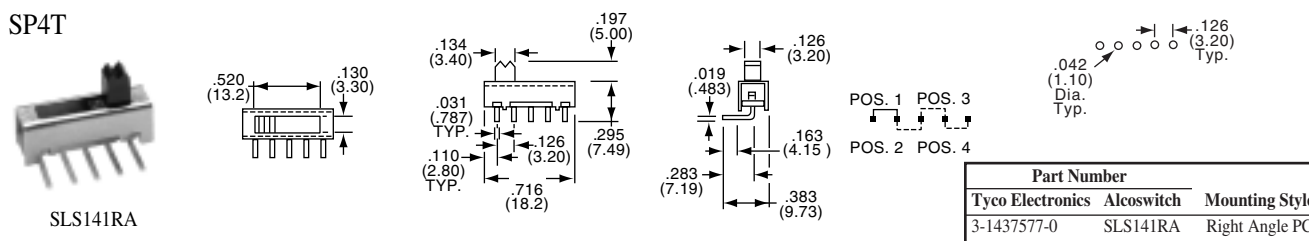
SP3T



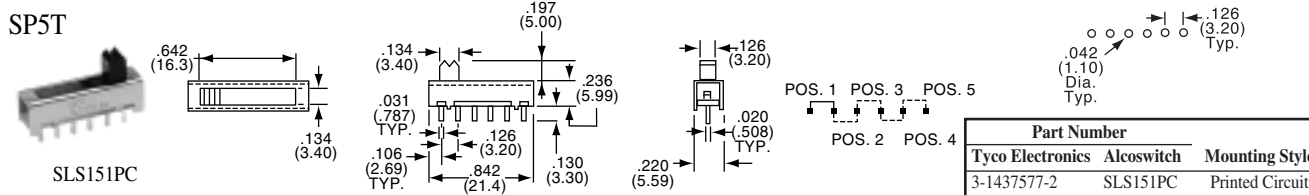
SP4T



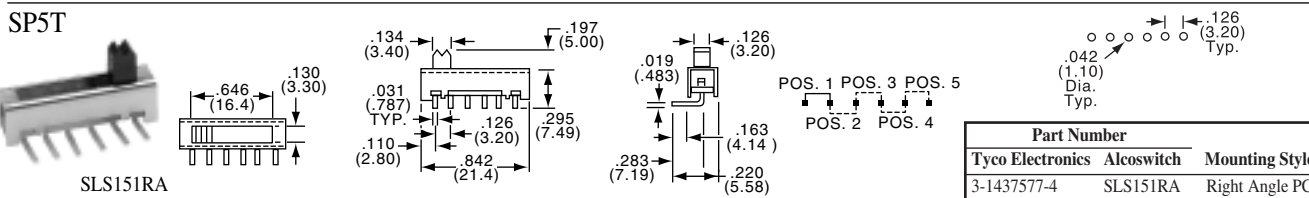
SP4T



SP5T



SP5T



Slide Switches, Baton-Toggle, Multi Pole

MATERIAL SPECIFICATIONS:

ContactsSilver clad over nickel plated copper alloy
Case MaterialSteel, tin plate
Actuator MaterialABS plastic/Aluminum cap
Terminals/Fixed Contacts.....Silver over nickel plated copper alloy
Terminal SealEpoxy

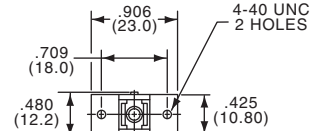
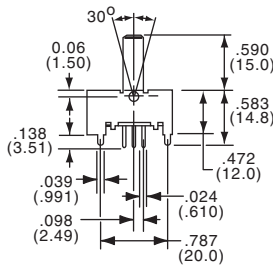
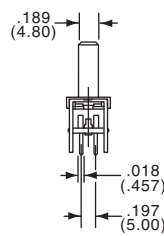
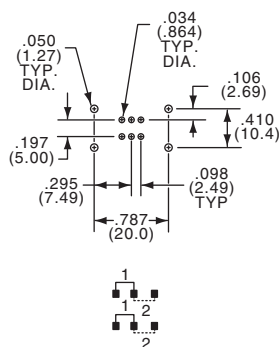
ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....+5°F to +131°F (-15°C to +55°C)
Storage Temperature.....-4°F to +140°F (-20°C to +60°C)
Solder Heat Resistance.....Hand: 300°C for 3 seconds
Wave: 250°C for 5 seconds

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating300 mA @ 125 VAC, 200 mA @ 12VDC
Initial Contact Resistance20 Milliohms max.
Contact TimingSee table below
Insulation Resistance500 Megohms min.
Dielectric Strength500 Volts RMS @ sea level
Actuation Force450 ± 250 Grams
Plunger/Actuator Travel30°
Life ExpectancyUp to 10,000 Cycles

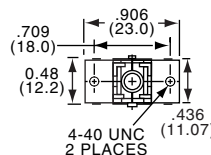
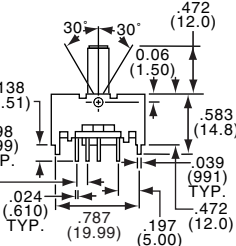
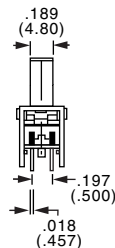
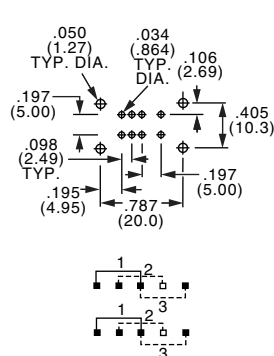
DPDT



CST022NK

Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-2	CST022NK	None	On	On	Non Shorting - Break-Before-Make (On) indicates momentary position.

DP3T



CST023NK

Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-4	CST023NK	On	On	On	Non Shorting

Slide Switches, Baton-Toggle, Multi Pole

SEE PAGE B45 FOR PRODUCT SPECIFICATIONS

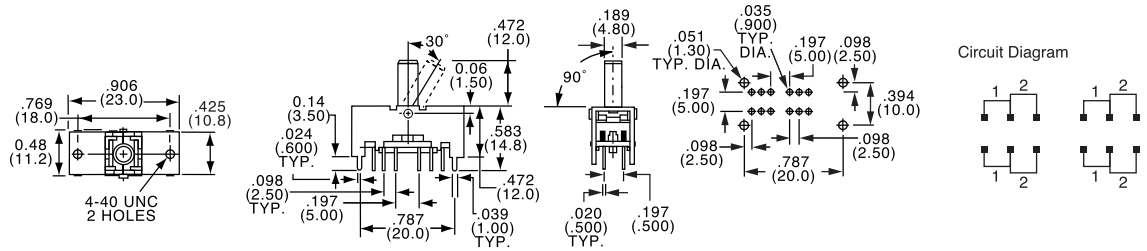
B

CST Series

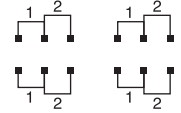
4PDT



CST042NK



Circuit Diagram

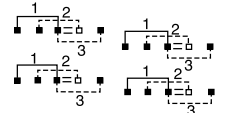
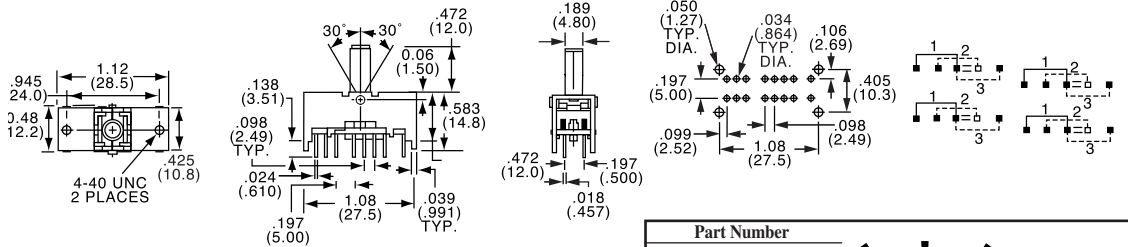


Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-5	CST042NK	None	On	On	Non Shorting

4P3T



CST043NK

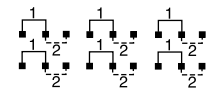
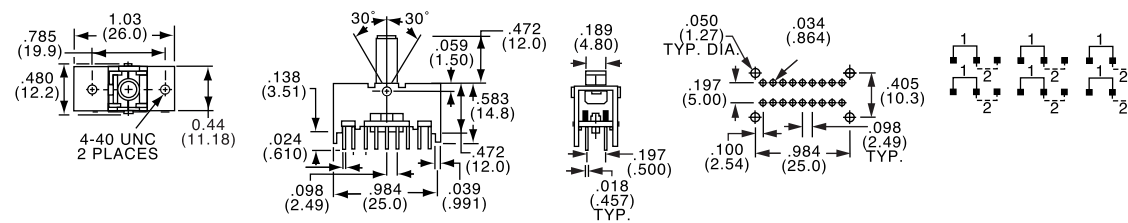


Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-6	CST043NK	On	On	On	Non Shorting

6PDT



CST062NK



Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-7	CST062NK	None	On	On	Non Shorting

Slide Switches, Miniature, Right Angle, Surface Mount

MATERIAL SPECIFICATIONS:

ContactsBeCu, copper alloy, 1 micron silver plate
Case Material40% G.F. PPS, UL94V-0
FrameStainless steel, silver plated
Actuator MaterialNylon, UL94HB polyamide
TerminalsBrass, copper alloy, 1 micron silver plate
Terminal Seal.....Epoxy

ENVIRONMENTAL SPECIFICATIONS:

HumidityMIL-STD-202, Method 103, Condition B
Moisture ResistanceMIL-STD-202, Method 106
Thermal ShockMIL-STD-202, Method 107, Condition A
Solder Heat Resistance ...230°C per EIA 364-56 Level 2

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating0.3 Amp, 4 VDC
Initial Contact Resistance70 Milliohms
Insulation Resistance100 Megohms min.
Dielectric Strength100 VAC min.
Actuation Force175 ±100 Grams
Life ExpectancyUp to 10,000 Cycles
Travel0.059 (1.5mm)

