

Slide Switches, Low Profile, Instrumentation Grade

MATERIAL SPECIFICATIONS:

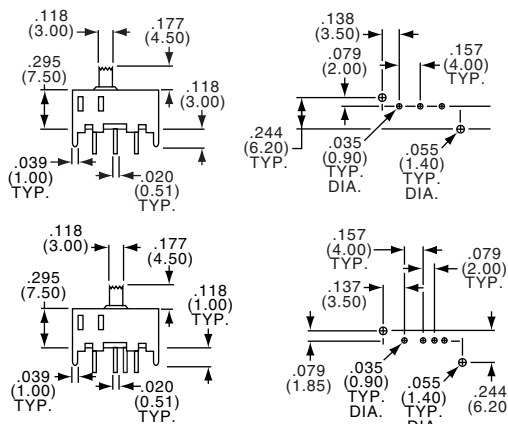
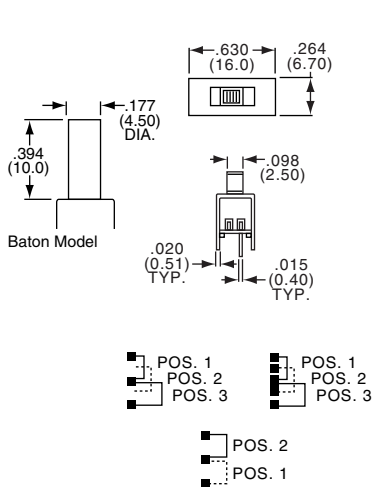
ContactsGold or silver over nickel over Cu alloy
 Frame MaterialNickel plated, Steel
 Actuator MaterialPOM 94 HB
 Terminals/Fixed Contacts.....Gold or silver over nickel over Cu alloy
 Terminal SealEpoxy

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



SPDT/SP3T

Standard

MHS122
MHS123



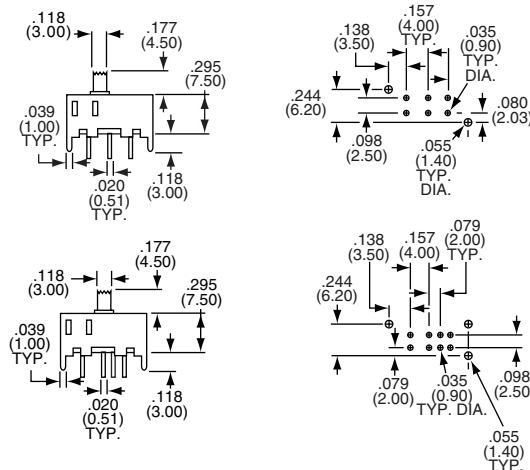
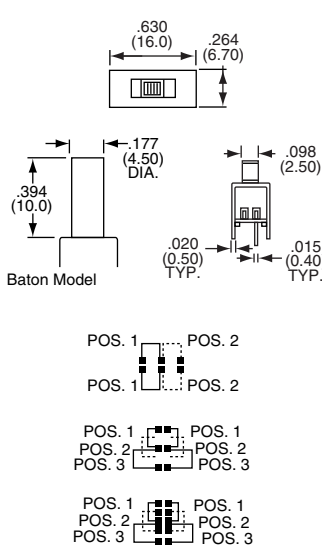
MHS122



MHS133

MHS122K

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



MHS233

MHS233K

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

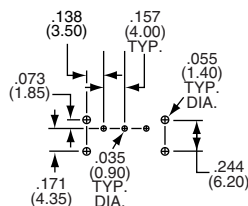
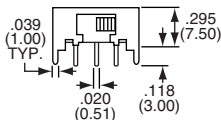
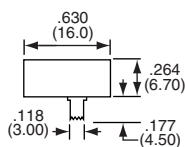
SPDT/SP3T



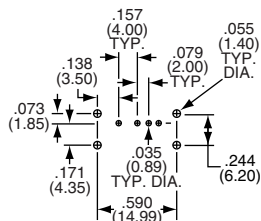
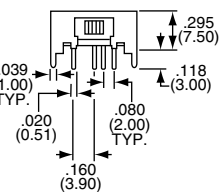
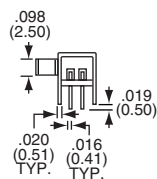
MHS122RA



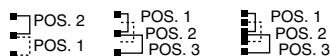
MHS133GRA



MHS122/123



MHS133



Tyco Electronics	Alcoswitch	Type				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

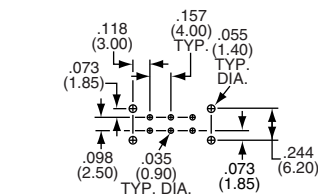
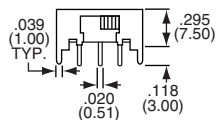
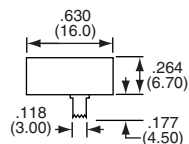
DPDT/DP3T



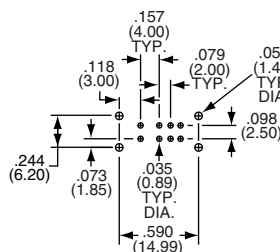
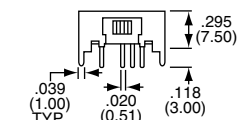
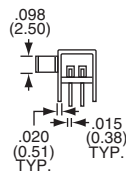
MHS222RA



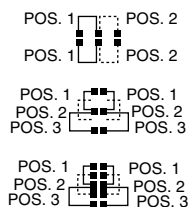
MHS233GRA



MHS222/223



MHS233



Tyco Electronics	Alcoswitch	Type				Contacts
3-1437576-0	MHS222RA	DPDT	On	None	On	Silver
3-1437576-5	MHS223RA	DPDT	On	Off	On	Silver
4-1437576-1	MHS223RA	DPDT	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	MHS223GRA	DP3T	On	On	On	Gold

Slide Switches, Micro Size, Instrumentation Grade

MATERIAL SPECIFICATIONS:

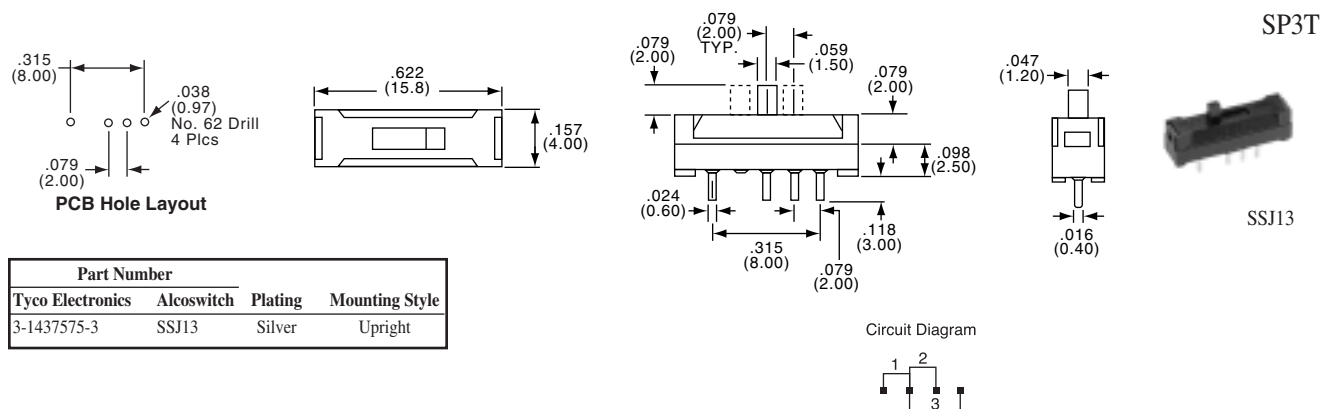
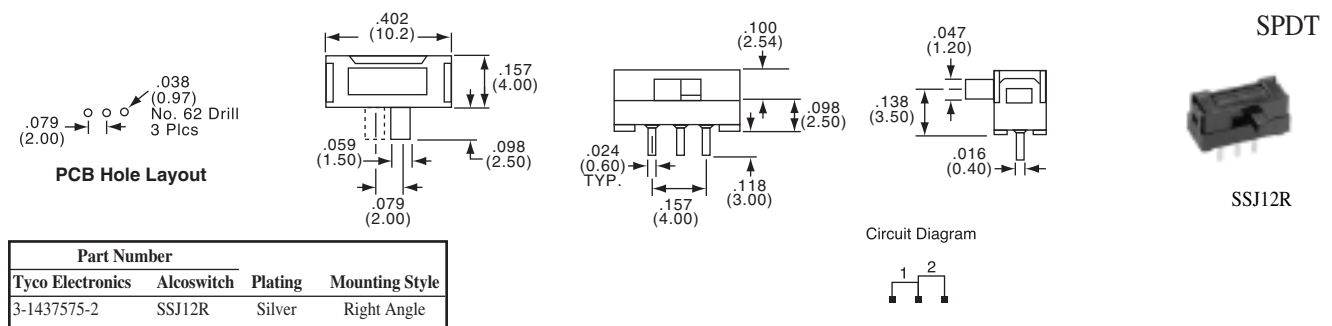
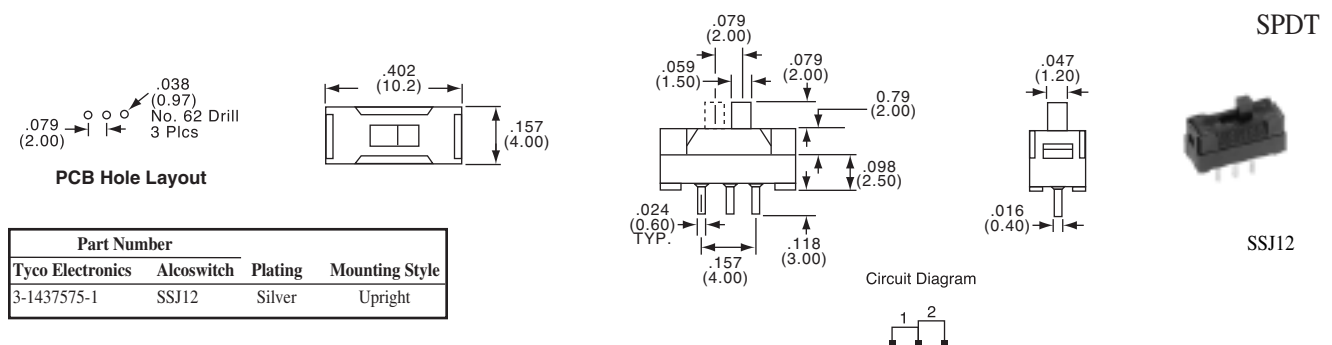
ContactsSilver clad plate over copper alloy
 Cover Base MaterialPolyester
 Actuator MaterialPolyacetal
 TerminalsSilver over nickel plate over copper alloy
 Terminal SealMolded in

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 Travel0.079" (2.01)
 Life ExpectancyUp to 10,000 Cycles



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

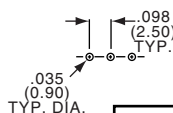
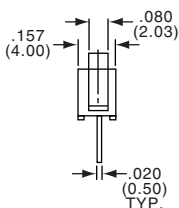
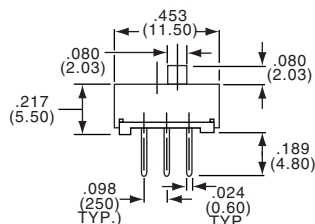
TYPICAL PERFORMANCE CHARACTERISTICS:

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

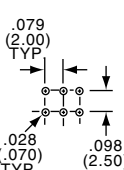
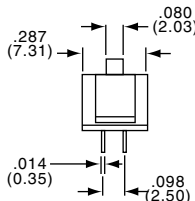
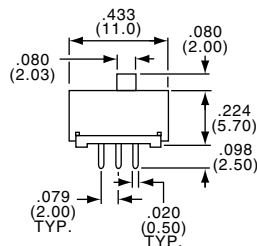


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-4	MMS12	SPDT	Silver	Upright

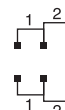
DPDT



MMS22



Circuit Diagram

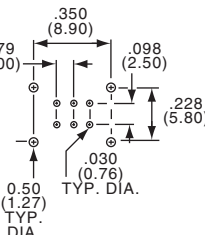
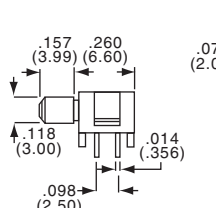
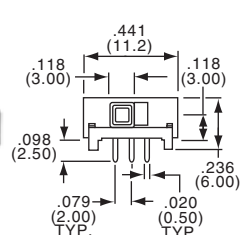


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-5	MMS22	DPDT	Silver	Upright

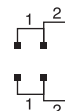
DPDT



MMS22R



Circuit Diagram

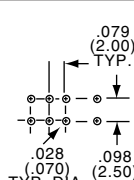
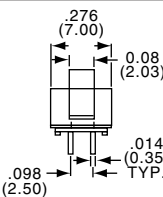
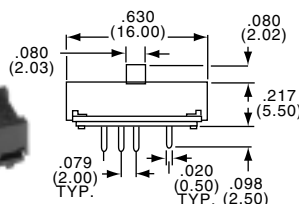


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-6	MMS22R	DPDT	Silver	Right Angle

DP3T



MMS23



Circuit Diagram

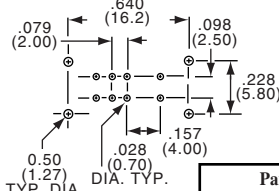
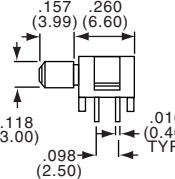
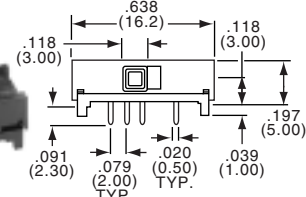


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-8	MMS23	DP3T	Silver	Upright

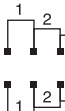
DP3T



MMS23R



Circuit Diagram

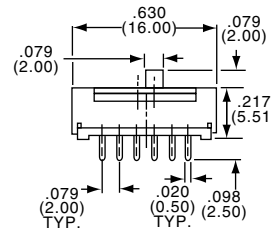
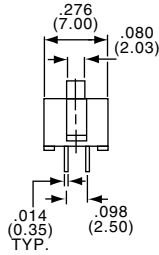
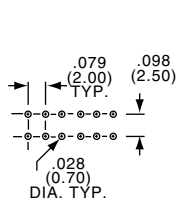
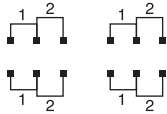


Part Number				
Tyco Electronics	Alcoswitch	Type	Plating	Mounting Style
1437575-9	MMS23R	DP3T	Silver	Right Angle

Slide Switches, Micro Size, Instrumentation Grade

SEE PAGE B36 FOR PRODUCT SPECIFICATIONS

Circuit Diagram

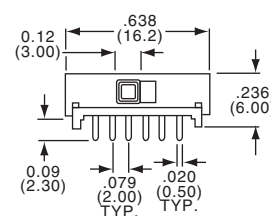
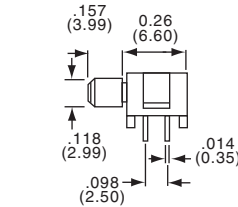
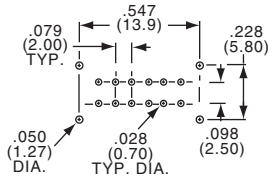
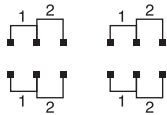


MMS42

4PDT

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

Circuit Diagram

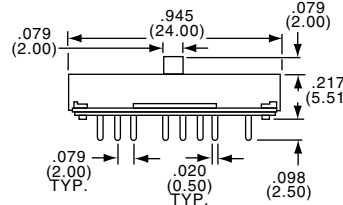
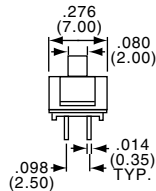
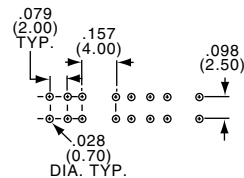
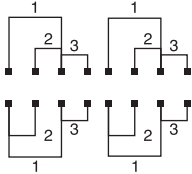


MMS42R

4PDT

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

Circuit Diagram

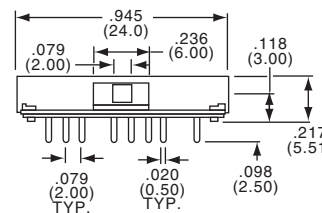
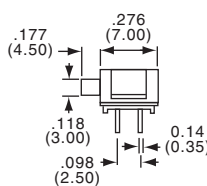
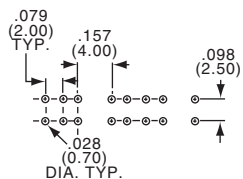
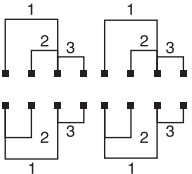


MMS43

4P3T

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

Circuit Diagram



MMS43R

4P3T

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

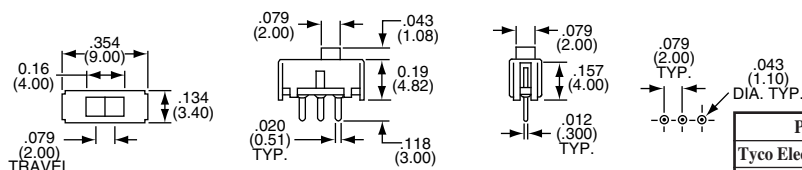
TYPICAL PERFORMANCE CHARACTERISTICS:

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



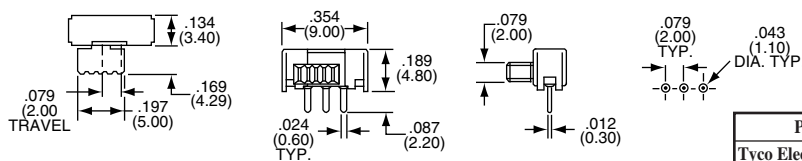
Circuit Diagram

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



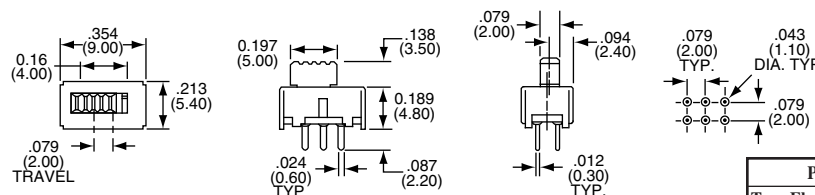
Circuit Diagram

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

DPDT



SSB22



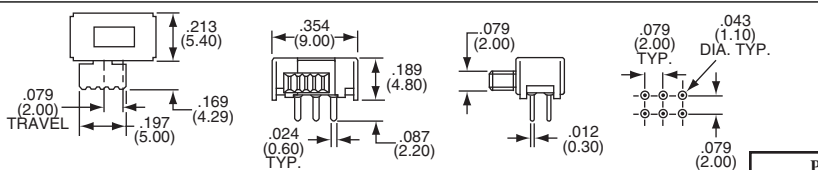
Circuit Diagram

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



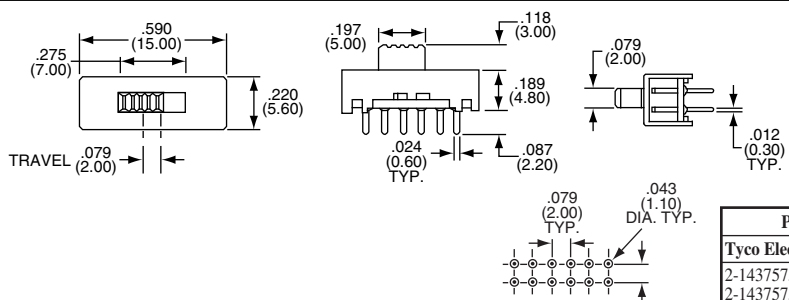
Circuit Diagram

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

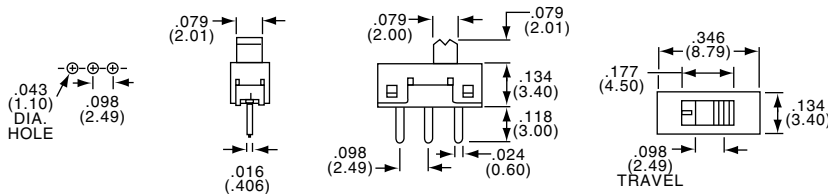
TYPICAL PERFORMANCE CHARACTERISTICS:

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



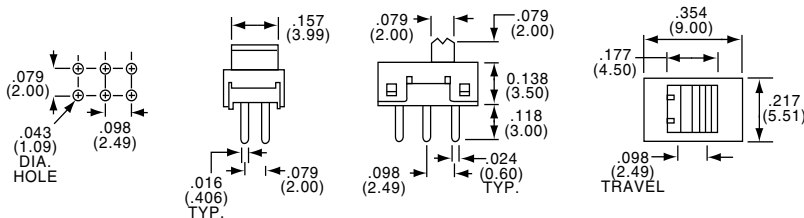
SSA12

Circuit Diagram



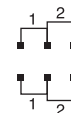
Part Number			
Tyco Electronics	Alcoswitch	Plating	Mounting Style
1-1437575-4	SSA12	Silver	Upright
1-1437575-5	SSA12G	Gold	Upright

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

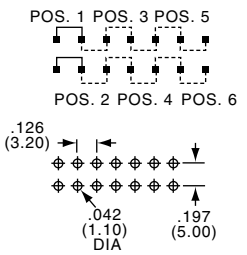
2 TO 6 POSITIONS



SLS250PC SLS220PC

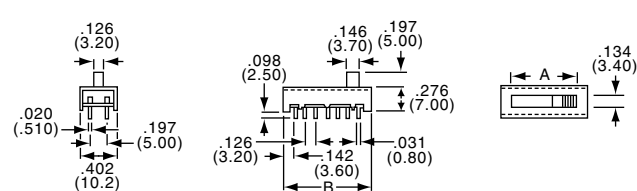


SLS240PCA SLS230PC



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)
.142 (3.60)
.031 (0.80)
.134 (3.40)

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



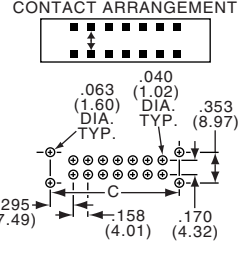
SL660
(with KSS KNOB)



SL550

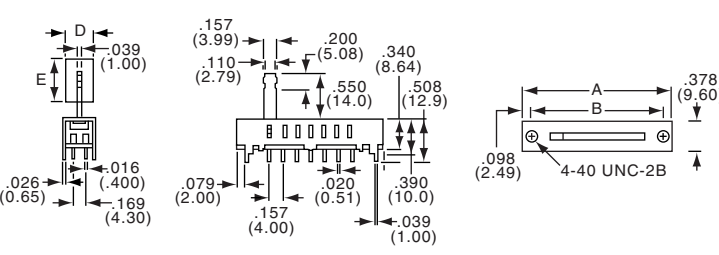


SL770



CONTACT ARRANGEMENT

.063 (1.60) DIA. TYP.
.040 (1.02) DIA. TYP.
.353 (8.97)
.295 (7.49)
.158 (4.01)
.170 (4.32)
.026 (0.65)
.016 (.400)
.169 (4.30)



.157 (3.99)
.110 (2.79)
.200 (5.08)
.340 (8.64)
.508 (12.9)
.550 (14.0)
.020 (0.51)
.390 (10.0)
.039 (1.00)
.157 (4.00)
.079 (2.00)
.098 (2.49)
.378 (9.60)
4-40 UNC-2B

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:

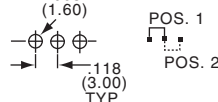
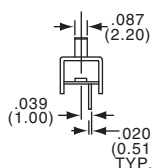
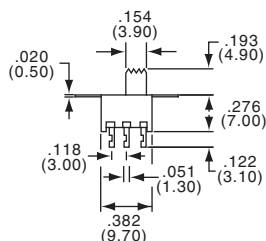
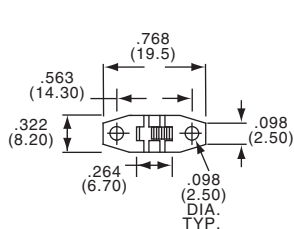
ContactsSilver over nickel plate copper alloy
Case MaterialSteel-zinc plated
Actuator MaterialPBT 30% glass
Terminals/Fixed Contacts.....Silver over nickel plate copper alloy
Terminal SealEpoxy

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:

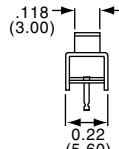
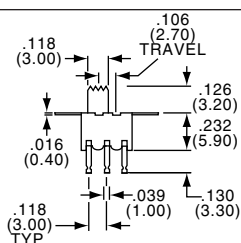
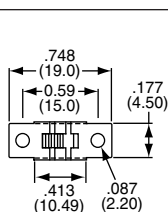
Contact Rating500 mA @ 125 VAC, 200 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak-Before-Make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation ForceSLS: 100-300 Grams; SLSA: 220, 300 -500 Grams
Plunger/Actuator Travel:0.106" (2.69)
Life ExpectancyUp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



SPDT

SLS120

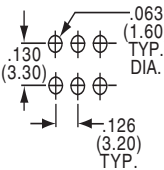
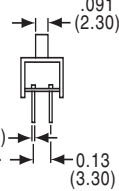
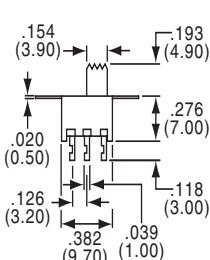
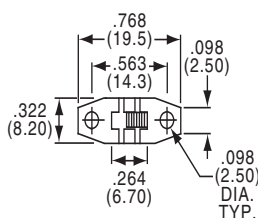
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
1-1437577-5	SLS120	SPDT	Panel	Lug



SPDT

SLA120

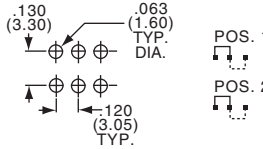
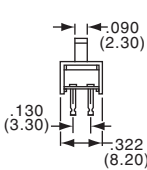
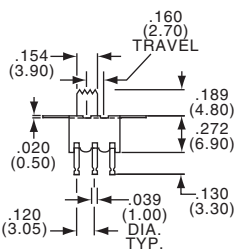
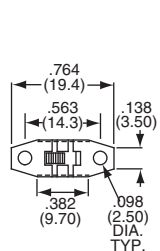
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
5-1437577-3	SLA120	SPDT	Panel	Turret



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:

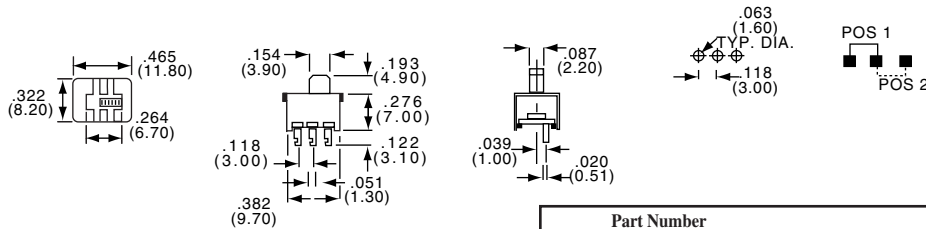
Contact Rating500 mA @ 125 VAC, 200 mA @ 12 VDC
Initial Contact Resistance30 Milliohms max.
Contact TimingBreak before make
Insulation Resistance500 Megohms min.
Dielectric Strength500 VAC
Actuation Force350±150 Grams
Plunger/Actuator Travel:0.106 (2.69)
Life ExpectancyUp to 10,000 Cycles

SPDT



Lug

SLS1201



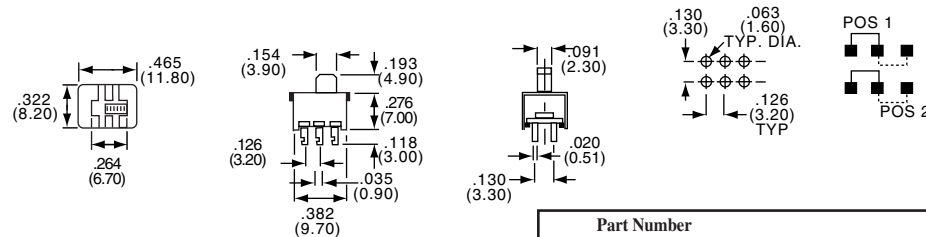
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
1-1437577-6	SLS1201	SPDT	PC	Lug

DPDT



Lug

SLS2201



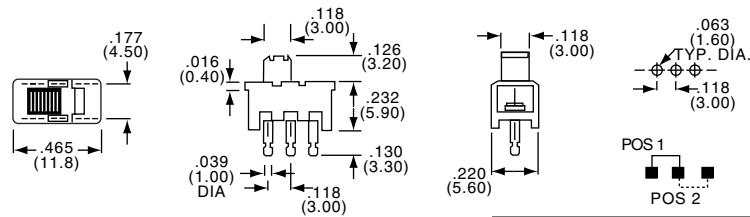
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
3-1437577-8	SLS2201	DPDT	PC	Lug

SPDT



Turret

SLSA1201



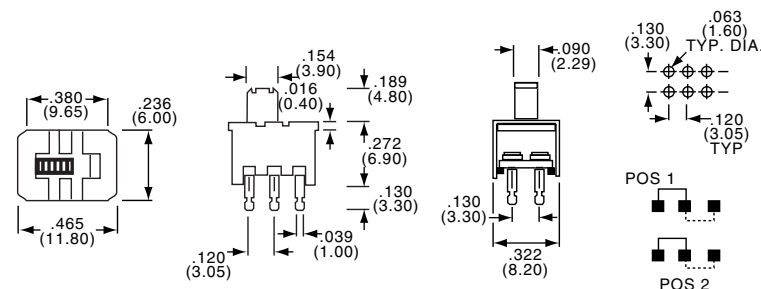
Part Number				
Tyco Electronics	Alcoswitch	Type	Mounting	Terminals Contacts
5-1437577-4	SLSA1201	SPDT	PC	Turret

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

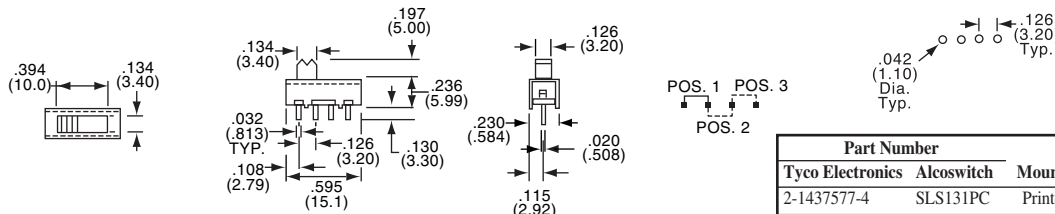
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating	250mA @ 125 VAC 150mA @ 12VDC
Initial Contact Resistance	20 Milliohms max.
Contact Timing	Break-Before-Make
Insulation Resistance	>50 Megohms.
Dielectric Strength	500 Volts RMS @ sea level
Actuation Force	340 ± 57 Grams
Plunger/Actuator Travel:	0.260" to 0.512" (6.60-13.00)
Life Expectancy	Up to 10,000 Cycles at no load

SP3T



SLS131PC

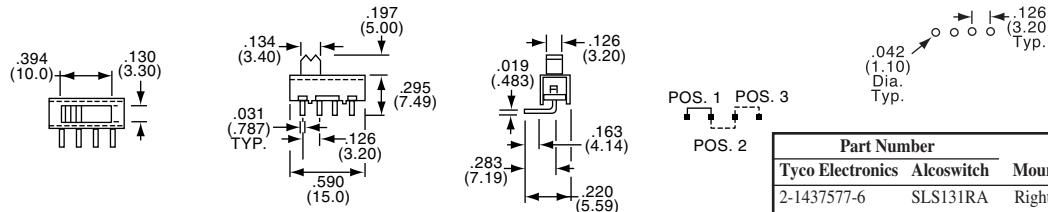


Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
2-1437577-4	SLS131PC	Printed Circuit

SP3T



SLS131RA

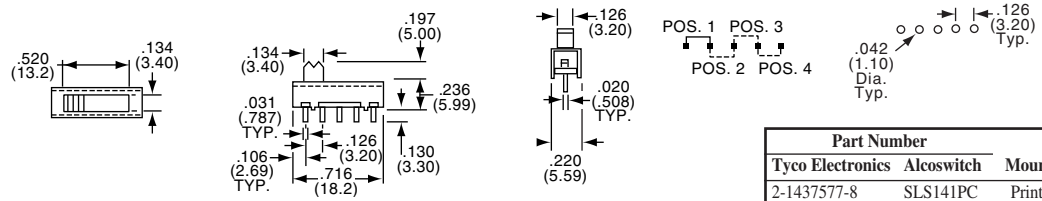


Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
2-1437577-6	SLS131RA	Right Angle PC

SP4T



SLS141PC

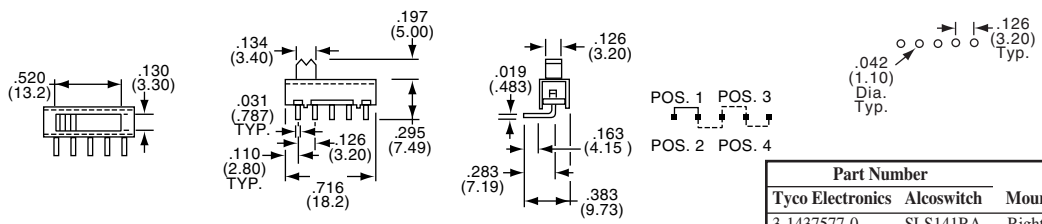


Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
2-1437577-8	SLS141PC	Printed Circuit

SP4T



SLS141RA

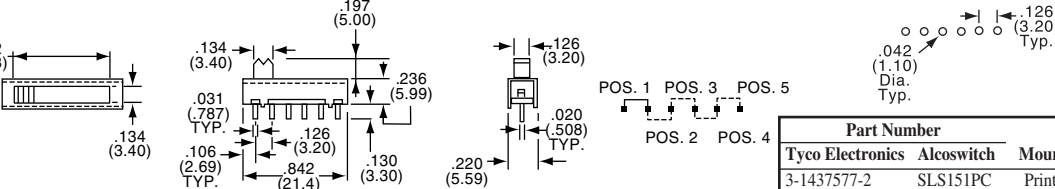


Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
3-1437577-0	SLS141RA	Right Angle PC

SP5T



SL S151PC

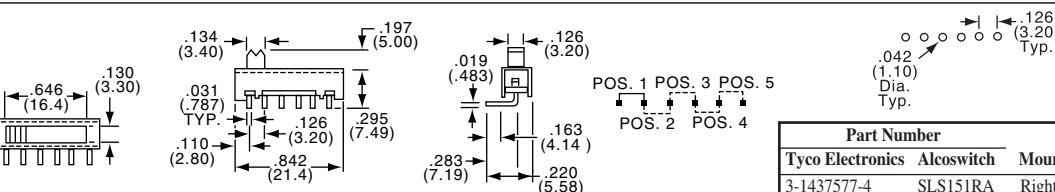


Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
3-1437577-2	SLS151PC	Printed Circuit

SP5T



SLS151RA



Part Number		Mounting Style
Tyco Electronics	Alcoswitch	
3-1437577-4	SLS151RA	Right Angle PC

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

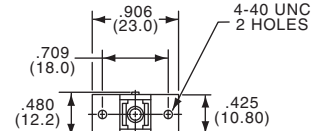
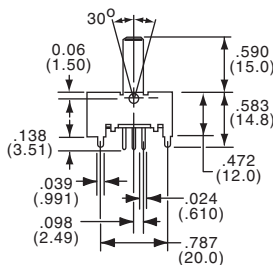
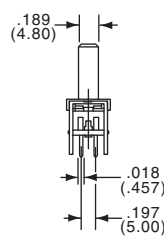
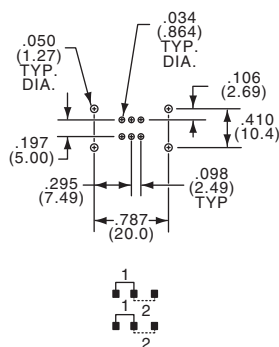
ENVIRONMENTAL SPECIFICATIONS:

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

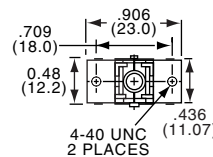
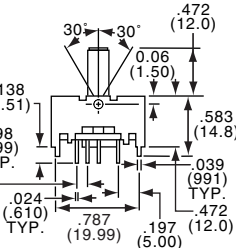
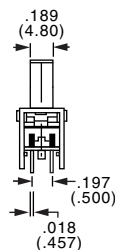
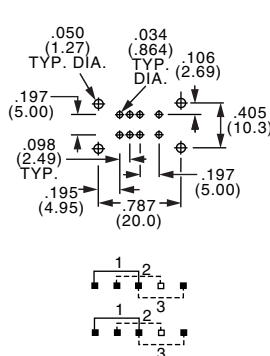
DPDT



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

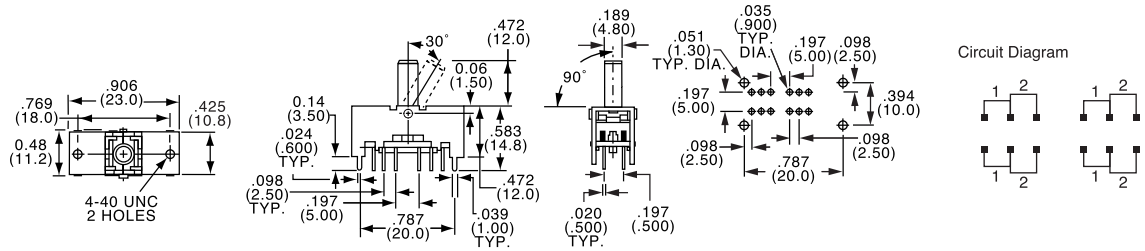
B

CST Series

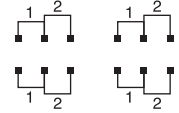
4PDT



CST042NK



Circuit Diagram

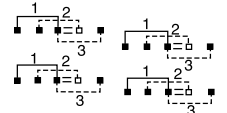
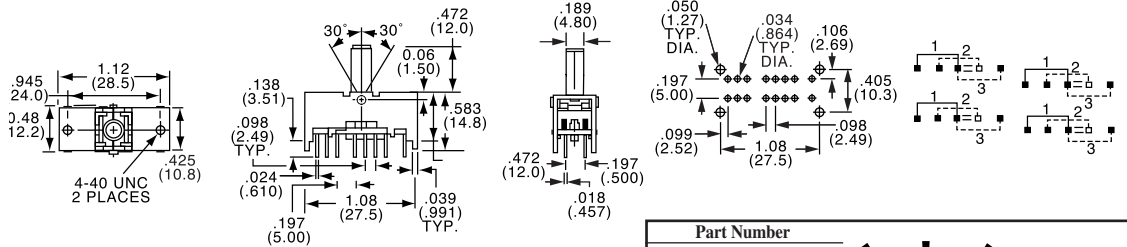


Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-5	CST042NK	None	On	On	Non Shorting

4P3T



CST043NK

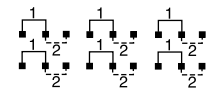
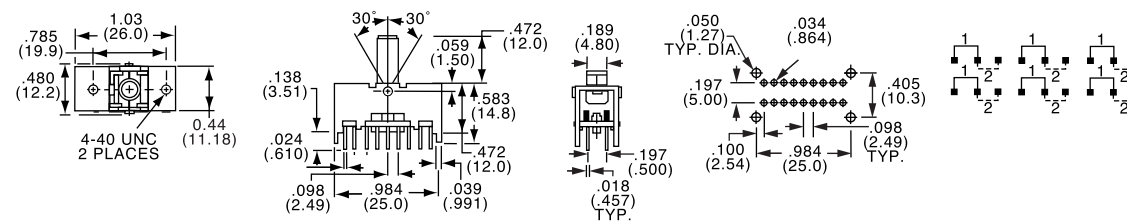


Part Number					Contact Timing
Tyco Electronics	Alcoswitch				
1437576-6	CST043NK	On	On	On	Non Shorting

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)

