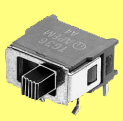
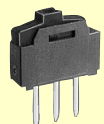
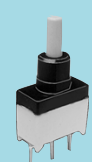
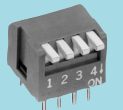
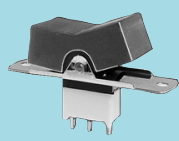
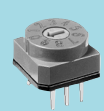
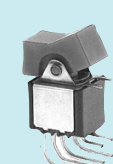
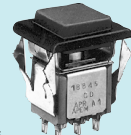
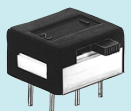
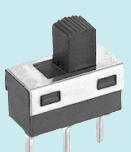


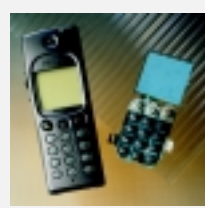
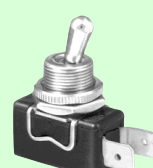
SWITCH SERIES SELECTION GUIDE

side 1 of 2

DESCRIPTION	TOGGLE	PUSHBUTTON	ROCKER	OTHER (SLIDE, DIP, ROTARY, PIEZO)	
SUBMINIATURE & WASHABLE Dry circuit	TL 1 or 2 poles - SMT or thru-hole - Washable (o-ring seal + single piece case + epoxy sealing)  SEE TL LISTING BELOW	TP 1 or 2 poles - SMT or thru-hole - Momentary - Washable (o-ring seal + single piece case + epoxy sealing)  SEE TP LISTING BELOW	TR 1 or 2 poles - SMT or thru-hole - Washable (o-ring seal + single piece case + epoxy sealing)  SEE TR LISTING BELOW	TG - Slide switches 1 pole - SMT or thru-hole - Washable or not (removable silicon rub.) - Epoxy sealing  SEE TG LISTING BELOW	
SUBMINIATURE Dry circuit to 0.5A 48V	ZL - Panel mount w/metal bushing - Slotted keyway or 'D' flat or non-thd'd. 1 pole double throw - Solder lugs or P.C. - Epoxy sealing  ZL36S0102, ZL36P0102	ZP - Panel mount w/metal bushing 'D' flat or non-thd'd. 1 pole double throw - Solder lugs or P.C. - Epoxy sealing  ZP32S0101, ZP32P0101	TL, TP, TR & TG SERIES COMMONLY ORDERED MODEL NUMBERS TL36P000000 TL36W000050 TL36WW00050 TL39P000000 TL39W000050 TL46W000050 TP32P003000 TP32W003050 TP33P003000 TP33W003050 TP33WW03050 TR36WW0005012 TG36P000000 TG36W010050 '5' = optional terminal crimp ★ - indicates more popular series	IK - Low profile DIP switch - SMT or thru-hole 2 to 10 poles - Self-cleaning contacts - Tin plated terminals - Washable (epoxy + tape) - Tube or tape packaging  IKN0203000, IKN0403000, IKN0803000	
	Check our inventory on line at www.apem.com 	9100/9200/9500 1 pole momentary - Ultra-compact cylinder shape - Threaded bushing - P.C. or snap-in mounting - Epoxy + o-ring sealing  9233WWCD, 9133YCD, 9233YCD, 9533CD		P36 - Rotary DIP switches - SMT or thru-hole 3 actuator styles 10 or 16 positions - Straight or right angle terminals - Washable  P36S103	
	MHPS or PHAP40 2 poles or 4 pole double throw - Momentary or alternate action - Not washable  MHPS2266	NK236 - Ultra-thin slides 1 pole - Stackable in X and Y directions - Straight or right angle p.c. terminals  NK236, NK236H			
MINIATURE & WASHABLE/SEALED Dry circuit to 5A 125VAC	S 1 or 2 poles - P.C. mounting terminals only - Plain bushing  SW236CD7, SW232CD7	SP 1 or 2 poles - Snap action momentary - Plain or threaded bushing  SP35W000000	S 1 or 2 poles - P.C. mounting terminals only - Rocker & paddle  SWW236CD6+U622, SWW232CD6+U622	DS, DA, DP - DIP switches - Vertical, right angle or piano styles 2 to 12 poles - Washable (epoxy + tape) - Self-cleaning contacts  DS-04, DA-04, DA-08, DP-08	
	SF - Same as S above except.. 1 pole - Insulated threaded bushing - Solder lugs or P.C. terminals  SF39S010000	IB, IS, IP - Plastic or metal body - Sealed to IP65 - Round or square - Mom. or alt. action - Snap-in or bushing mount - Illuminated or not  IBR3SAD, ISR3SAD, IPC3SAD, IPR3FAD, IPR3SAD	SR - Same as S above except.. - Panel mount only - Solder lug terminals only - Wider rocker & paddle  SR39S010000	PT65 or CR65 - Rotary DIPs or pulse generator 5 actuator styles - Straight or right angle terminals 4, 6, 8, 10 or 16 positions  PT65101, PT65103	
MINIATURE Dry circuit to 6A 125VAC	5000 - APEM's widest range of toggle switches 1 to 4 poles - Pinned levers - UL, CSA & 5 agency listings - Peak current versions  SEE 5000 LISTING TO RIGHT	8000 - Momentary or alternate action 1 or 2 poles - UL - Long bushing  8632AB, 8642AB, 8636AB, 8646AB	7000 - Rocker & paddle 1 or 2 poles - UL, CSA  7036WWA+U832, 7946WWA+U832	5000 SERIES COMMONLY ORDERED MODEL NUMBERS 5236AB 5236CD 5239AB 5246AB 5249AB 5632AB 5636AB 5636AB2V 5636AB9 5637AB 5638AB 5639AB3V 5646AB 5646AB2V 5649AB 5649AB3V 5656AB 'B' = optional epoxy terminal sealing	
	55000 - Same as 5000 above except.. - VDE listed - Added electrical insulation  55646AVDEULCSA+U272, 55636AVDEULCSA+U272	← VDE versions of our flagship → 5000 and 7000 series			
	10600 - Same as 5000 above except.. - Large bushing 1 & 2 poles 2 & 3 positions, double throw - Matte black available  106362103, 106462103	10400 - Same as 8000 above except.. - Large bushing - Momentary only 1 & 2 poles - Double throw - Matte black available  104350003, 104450003	← 10mm (.393") diameter bushing. See also 'M' option in 5000 series (15/32")		
	21000 1 or 2 poles - Low profile - Epoxy sealed terminals - Printed circuit terminals  21236NA	800 & 18000 800: to 6 amps 18000: to 1 amp - Snap action mom. 1 or 2 poles - Double throw - Solder lug or P.C. terms. - Epoxy sealing  810KMZQ, 18845CDX662+U910+U1200	← Telecon industry favorites →		
	ST - Same as 5000 above except.. 1 or 2 poles - UL, CSA - Solder lug or P.C. terms. - Thicker terminals  ST1-1KMZQ	300, 400 & 9000 - Cylinder shape - Momentary action - Alternate action (400) - Threaded bushing selections - Solder lug or P.C. terms.  301ZQE, 401ZQE, 9433YA, 9633NCD, 9633NA	AS - Single pole 2 or 3 positions - UL, CSA - Epoxy sealed terms. - Solder lugs or P.C. - Half the International std'd. panel cutout  AS36S010010, AS39S010010	25000 1 or 2 pole slide - UL - P.C. terminals only - Wide selection of actuator shapes and positions  25136NAH, 25146NAH, 25546NA	
					G 1 or 2 pole slide 2 or 3 positions - Solder lug or P.C. terminals - Form, fit & function interchangeable w/competitive models  GH36P010001, GH36WW10001

SWITCH SERIES SELECTION GUIDE

side 2 of 2

DESCRIPTION	TOGGLE	PUSHBUTTON	ROCKER	OTHER (SLIDE, DIP, ROTARY, PIEZO)
MILITARY & HIGH SPECIFICATION ENVIRONMENTS QPL, MUAHAG, MIL 3950 (11000, 12000 & 13000 series) Dry circuit to 10A 125VAC	11000 1/4" threaded bushing 1 to 4 poles - Peak current versions available  11136A, 11146A	13000 1/4" threaded bushing 1 & 2 poles - Quick break momentary  13435A, 13435WAD2, 13445A	Remember -APEM also makes membrane switches and keypads in 7 factories worldwide   Also remember - APEM makes anti-vandal keypads  	
	12000 - Larger 15/32" threaded bushing 1 to 4 poles - Peak current versions available  12146AK, 12147AK	13000X768 - Larger 15/32" threaded bushing 2 poles  13445A-9X768		
	12000X778 - fully sealed 15/32" threaded bushing 2 poles only - Pinned lever - Matte black finish  12146X778, 12146-2VX778	13000X778 - fully sealed 15/32" threaded bushing 2 poles only - Matte black finish  13445A-9X778		
	6000 10A 125VAC - Air 8461 (maint. only) 1 to 4 poles - Solder, screw, quick-con. - Sealing, locking lever, matte black finish avail. 15/32" bushing  6421A03LM	AV - Anti-vandal/security - Mom. or alt. action 1 or 2 poles - Up to 1 million cycles - Splash/dustproof to IP65 - Illuminated or not  SEE AV LISTING TO RIGHT	AV SERIES COMMONLY ORDERED MODEL NUMBERS AV191003C900 AV091003C900 AV091003C910 AV09C703D200 AV021003C900 AV020003C900R	
INDUSTRIAL 4 to 10 AMPS	4100/4200/4400/4600 6A 125VAC - Small case 1 to 3 poles - UL, CSA, VDE... - Peak current & quick break versions  4141A-22UU, 4641A-22UU, 4646A-22UU	4700/4800 6A 125VAC - Alternate action 1 or 2 poles - UL, CSA, VDE - Full actuator return - Plastic actuator & nut in color  4731A02UU, 4741A02UU	Remember - APEM is also a worldwide leading manufacturer of mobile phone keypads 	
	1000 - Economy models - Metal lever & bushing 6A 125VAC 1 pole - VDE, USE... (X213) 2 & 3 positions  1011C, 1011A, 1016C, 1021C	1200 - Up to 8A 125VAC - Momentary NO or NC action 1 pole - UL, CSA, VDE... - Plastic or metal plunger  1213C2, 1213A2UU, 1212C6, 1212C2, 1213C6	Also remember -APEM makes custom integrated switching assemblies for the automotive industry 	
	1500 - Economy models - Insulated lever and bushing 10A 125VAC 1 pole 2 or 3 maintained positions  1531A8L12	1400 - Economy models - Snap-in mounting 4A 125VAC 1 pole - Momentary NO, NC or changeover - Square plunger/4 colors  1415NC-2	FM - Economy models 10A 125VAC 1 or 2 poles - Protection from water & dust entry - Illuminated or not - International std'd. cutout  FMC12A2200000, FMC32A2200000	
	1600/1700 4A 125VAC 1 pole, 2 pos. - Metal or insulated lever - Terminals project from side of body  1621	2200 6A 125VAC - Snap-in mounting 1 or 2 poles - Mom. or alt. action - UL, CSA, VDE... 2 actuator positions  2231A, 2241A	★ - indicates more popular series	
INDUSTRIAL 10 to 20 AMPS	600 16A 125VAC 1 to 3 poles - UL, CSA, VDE... - Metal or insulated lever (600NH) - Locking lever models - Peak current versions  SEE 600 LISTING TO RIGHT	APEM A leading world manufacturer of quality switches since 1952		
INDUSTRIAL To 20 AMPS Environmentally sealed	3500 - Totally sealed (to 1 bar pressure) 20A 125VAC 1 to 2 poles - CECC approved 15/32" bushing - Locking lever styles  3537-001N002	A02 - Modular 22mm panel mt. 16A 250VAC 1 to 4 poles - UL, CSA, VDE... - Mom. or alt. action - Round, square, rect. - E stop available - Sealed to IP65  A0261B+A0242J1+A0201X+A02503	KG 1"x 2" large rockers 15A 250VAC or 12VDC - Sealed to IP65 1 to 2 poles - Illum., marked or not - Off-highway vehicles  KG312A2XXA21XX	A02 - Rotary or keylock - Modular 22mm panel mt. 16A 250VAC 1 to 4 poles - UL, CSA, VDE... - Mom. or alt. action - Sealed to IP65  A029101+A02503
	3600 - Totally sealed for outdoor applications - o-ring & half boot 1 or 2 poles 6A 250VAC  3637NF/2, 3646NF/2, 3631NF/2	A01 - Modular 16mm panel mt. 6A 250VAC 1 to 4 poles - UL, CSA, VDE, BEAB - Mom. or alt. action - Round, square, rect. - E stop available - Sealed to IP65  A0161B+A0142M1+A0101X+A0151B	40,000 cross references available on line at www.apem.com	
				A01 - Rotary or keylock - Modular 16mm panel mt. 6A 250VAC 1 to 4 poles - UL, CSA, VDE, BEAB - Mom. or alt. action - Sealed to IP65  A01ESSP3+A0150B