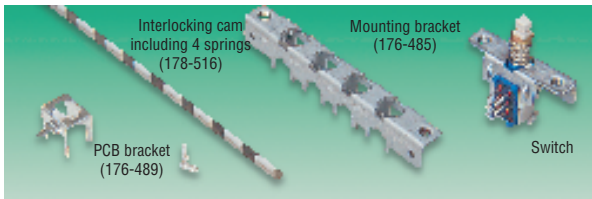
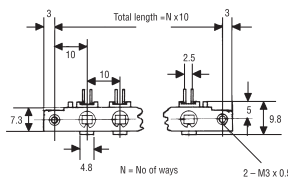


Mounting Brackets and Accessories



- For use with the above switches
- Mounting bracket must be used to provide correct mechanical support
- Interlocking cam for 10 switches maximum, including 4 springs
- Push-fit black knobs available



Assembly instructions

- 1) Single switches – crimp switch to bracket.
- 2) Multi-position bracket

Non-interlocked – crimp switch to bracket.

Interlocked – a tiny amount of petroleum jelly onto the interlock spring mounting pip on the right hand switch. Position spring with fine tweezers and place interlock cam (cut to suitable length) on row of switches ensuring that the spring engages with the respective interlock lug. Carefully push bracket over switches and interlock cam, when in correct position remove switch assembly and crimp switches to bracket.

Note: Interlock lugs may be removed to allow mixed independent and interlocking action in an assembly.

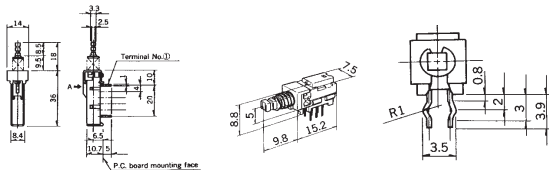
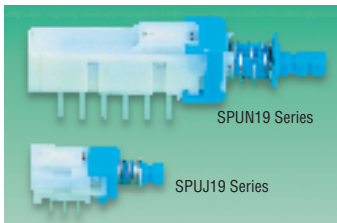
Mfrs. List No. PV Tankey-1 = 176-483, PV 10P-3 = 176-485, PV 10P-5 = 176-486,
 PV 10P-7 = 176-487, PV 10P-9 = 176-488, PV 00A-1 = 176-489,
 PV 1012-CAM-4XSP = 178-516, PO 100-BL = 176-491, PR 100-BL = 176-492

SW118

Mounting Brackets	No. of Switches	Order Code	Price Each				
			1+	25+	100+	500+	1000+
	1	.176-483					
	4	.176-485					
	6	.176-486					
	8	.176-487					
Panel mounting	10	.176-488					
PCB mounting	1	.176-489					
Interlocking Cam		.178-516					
Knobs	Round	.176-491					
	Rectangular	.176-492					

Keyboard Switches and Accessories

Horizontally Actuated

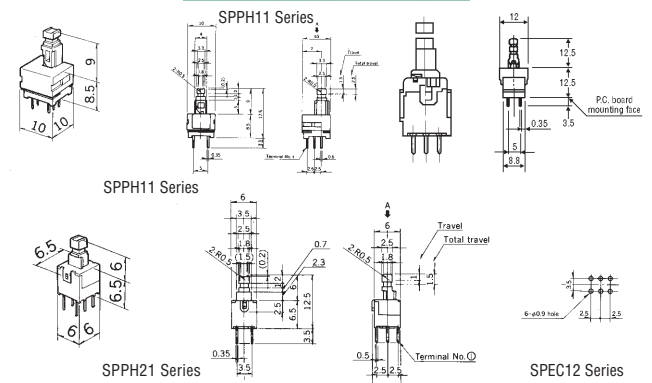


Contact rating 0.1A 30Vdc Life cycles 10000

SW302

Order Multiple = 1	Standard	Mfrs. List No.	Order Code	Price Each		
				1+	50+	100+
	2 Pole Latching	SPUN19035A	733-118			
	4 Pole Latching	SPUN19036A	733-120			
	Miniature					
	2 Pole Latching	SPUJ19128A	733-155			
	4 Pole Latching	SPUJ19123A	733-167			
	6 Pole Latching	SPUJ19124A	733-179			
	2 Pole Momentary	SPUJ19122A	733-180			
	Order Multiple = 10					
	Rectangular Caps for Standard Switches			10+	50+	100+
	Black	PB0150000B	733-994			
	Grey	PB0150000G	734-007			
	Red	PB0150000R	734-019			
	White	PB0150000W	734-020			
	Rectangular Caps for Miniature Switches					
	Black	PB0151000B	734-032			
	Grey	PB0151000G	734-044			
	Red	PB0151000R	734-056			
	White	PB0151000W	734-068			

Vertically Actuated



Standard – Low Profile	Mfrs. List No.	Order Code	Price Each		
			1+	50+	100+
2 Pole Latching	SPPH11470B	733-192			
2 Pole Momentary	SPPH11175A	733-209			
Miniature					
2 Pole Latching	SPPH21670A	733-210			
2 Pole Momentary	SPPH21676A	733-222			
Standard					
2 Pole Latching	SPEC12549A	733-234			
2 Pole Momentary	SPEC12589A	733-246			

SW303

Stackable Modules, SPNO



H above PCB = 9.27, W = 12.45, Stacking pitch = 12.7



- Stackable keyboard modules with snap-on transparent cap
 - Allow custom keyboards to be built
 - Allow self-legending giving a professional appearance
 - Modules can be stacked to any required keyboard layout on a minimum of 12.7m pitch
 - Key modules available as single unit or as multiples of 2 or 4 units
- Legends may be formed with rub down lettering or by inserting pre-legend film prepared by photographic methods under the transparent cap.
- Switches have one normally open contact. On the multiple units the switches are commoned.

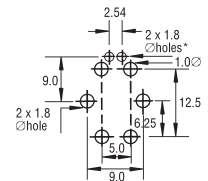
SW78

Mfrs. List No.	Order Code	Price Each				
		1+	25+	100+	250+	500+
1 unit	87CC3201	145-487				
2 unit	87DC3201	145-488				
4 unit	87FC3201	145-489				

Hinge – B3J Series, SPNO
50mA @ 24V dc



176-461 176-451
L = 18, W = 12, D = 10.3



PCB Drilling plan *Not required on non-illuminated keyswitch

- Black, hinge type keyswitch with tactile feedback and short keystroke
 - Available with or without red LED illumination.
- Contact arrangement SPNO Insulation resistance 100MΩ min @ 250V dc
 Min permissible load 1mA @ 5V dc Dielectric strength 500V ac for 1min
 Contact resistance 100mΩ max Mech+elec life 30,000,000 ops
- Mfrs. List No. B3J1100 = 176-461, B3J2100 = 176-451

SW112

Order Code	Price Each		
	1+	50+	100+
Without LED	176-461		
With red LED	176-451		

continued