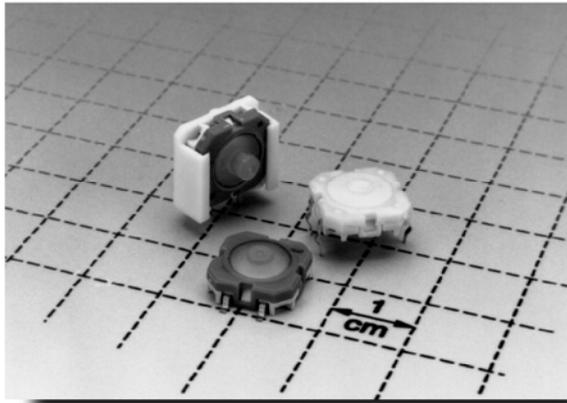


C&K Racon 12, 12 HV & 12 V Series Short Travel Tactile Switches



Features/Benefits

- Long life—1,000,000 cycles
- Highly reliable contact design
- Process sealed—solder-proof and wash-proof
- Thru-hole and surface mount models
- Positive tactile feedback

Typical Applications

- Medical equipment
- Process control
- Test instrumentation equipment

How To Order

To order Racon 12 & 12 V, select switch/housing part number. To order Racon 12 HV, select switch part number and plunger part number in catalog section L. These tactile switches are suitable for most common soldering techniques. Surface mount models can be mounted with automatic assembly machines. Other terminal options and operating forces available, consult Customer Service Center.

Specifications

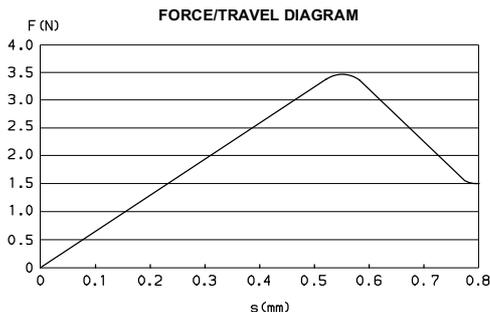
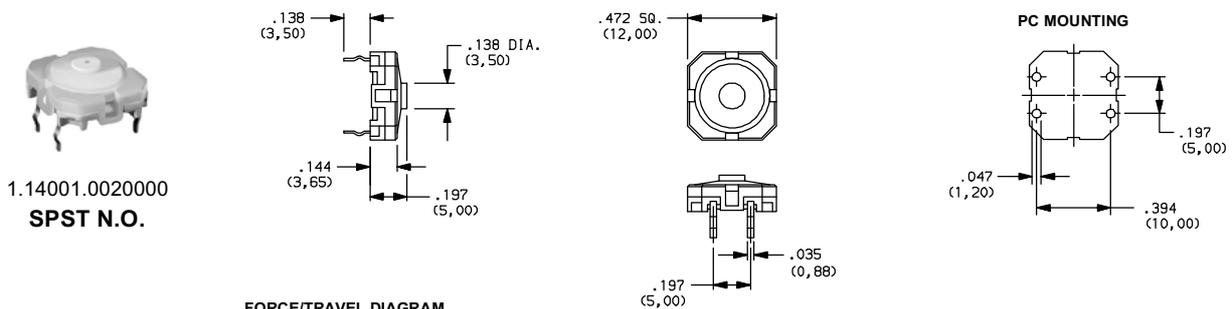
CONTACT RATING: 0.01 - 100 mA @ 0.02 - 42 V AC/DC.
 RATED POWER: 1 W max. resistive load.
 CONTACT RESISTANCE: < 100 milliohms when new.
 BOUNCE: < 5 ms.
 CONTACT SYSTEM: Snap-action contact.
 CONTACT ARRANGEMENT: SPST NO.
 FIXING: By soldering.
 SWITCHING TRAVEL: 0.8 ± 0.2 mm.
 OPERATING LIFE: 1,000,000 cycles min.
 OPERATING FORCE: 3.5 + 0.7/- 0.5 N.
 AMBIENT OPERATING TEMPERATURE: - 40°C to + 80°C;
 - 40°F to + 176°F.
 AMBIENT STORAGE TEMPERATURE: - 50°C to + 85°C;
 - 58°F to + 185°F.

DEGREE OF PROTECTION: Solder-proof, wash-proof.
 MOUNTING: SMT version can be mounted by automatic assembly machines.
 PACKAGING: 12 thru-hole: Tube packaging, 45 switches;
 12 SMD: Tape & reel packaging, 750 switches;
 12HV & 12V right angle: Box, 100 switches.

Materials

SWITCH HOUSING: LCP.
 COVER: PTS
 CONTACT MATERIAL: Au.
 TERMINALS: Tin-plated.
 FLAMMABILITY OF PLASTIC MATERIALS: UL 94 HB.

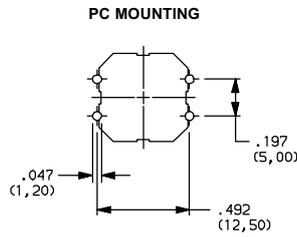
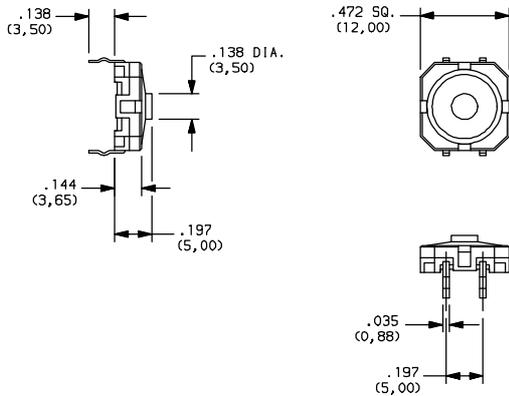
Racon 12 Inward Solder Terminals for PCB



SWITCH & HOUSING		
PART NUMBER	FUNCTION	SCHEMATIC
1.14001.0020000	SPST N.O.	

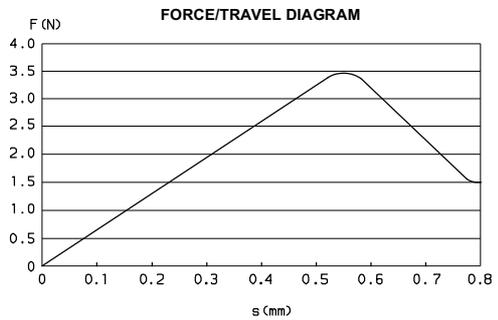
C&K Racon 12, 12 HV & 12 V Series Short Travel Tactile Switches

Racon 12 Outward Solder Terminals for PCB

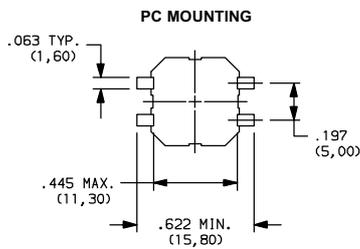
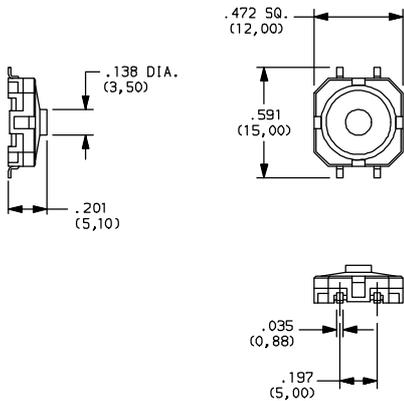


1.14001.0010000
SPST N.O.

SWITCH & HOUSING		
PART NUMBER	FUNCTION	SCHEMATIC
1.14001.0010000	SPST N.O.	

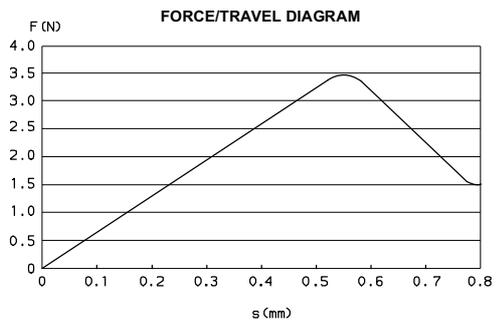


Racon 12 SMD Terminals



1.14001.0030000
SPST N.O.

SWITCH & HOUSING		
PART NUMBER	FUNCTION	SCHEMATIC
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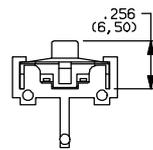
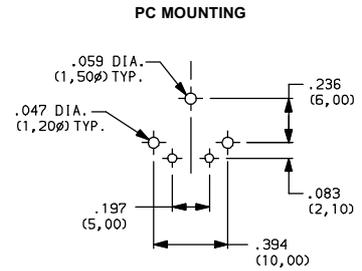
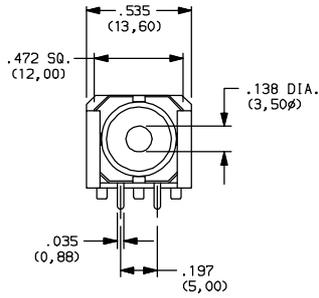
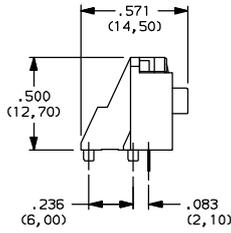


C&K Racon 12, 12 HV & 12 V Series Short Travel Tactile Switches

Racon 12 HV Right Angle Thru-hole Terminals with Vertical Adapter



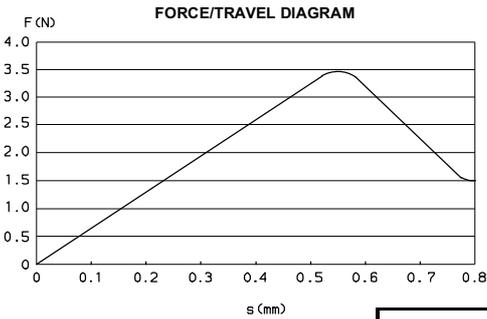
1.14001.0150000
SPST N.O.



PLUNGER



5.46067.090

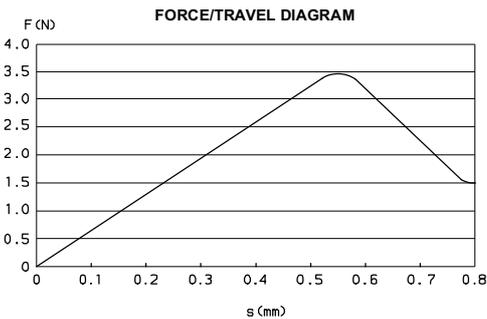
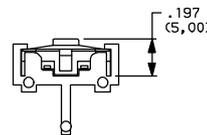
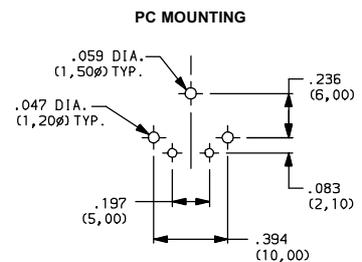
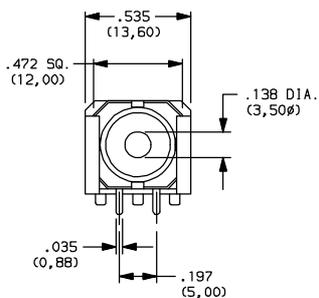
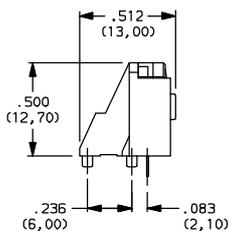


SWITCH & HOUSING					PLUNGER ACCESSORY		
PART NUMBER	FUNCTION	CONTACT MATERIAL	HEIGHT	SCHEMATIC	PART NUMBER	DIAMETER	HEIGHT
1.14001.0150000	SPST N.O.	Au	6.5 mm		5.46067.0900000	8mm	7.0mm
					5.46067.0900000	8mm	9.7mm
					5.46067.0900000	8mm	12.5mm

Racon 12 V Right Angle Thru-hole Terminals with Vertical Adapter



1.14001.0050000
SPST N.O.



SWITCH & HOUSING				
PART NUMBER	FUNCTION	CONTACT MATERIAL	HEIGHT	SCHEMATIC
1.14001.0050000	SPST N.O.	Au	5.0 mm	



Tactile