Features/Benefits

- Excellent tactile feel
- Plunger can be custom designed
- SMT switch adapted for low current
- Only actuate 1 direction at a time
- Provides logic level control
- Industrial controls
 - Mirror adjustment

Seat adjustments

Typical Applications

- Home entertainment
- Multi-function steering wheel



Construction

QSA2: 2 way switch		
QSA4: 4 way switch		
QSA2: 2x make contacts		
QSA4: 4x make contacts		
23 mm x 18 mm, operating direction diagonal		
Housing: 9 mm, total height: 22,4 mm		
Solder pins, SMD		
Snap-in pegs provided to help secure and		
locate switches		
ø3,5 mm with button fastener		
Mechanical		
OPERATION DIRECTION: In X-Y direction along the diagonal		
axis of the switch. Rotation point is		

TRAVEL:	5,5 mm over the PCB surface. Travel of the actuator measured on an axis parallel to and 19 mm above PCB switch point/stop (4,0 N force)
ACTUATION ANGLE:	$1,5 \pm 0,4 \text{ mm} / 2,0+0,3 \text{ mm}$ G8 version
	To switch point / stop (4,0 N force) 6.5° / 8.5°
ACTUATION FORCE:	3,5 ± 1 N
TACTILE EFFECT: LIFE:	\geq 15% 100,000 cycles in each direction (\leq 20 N force)

Mechanical (continued)

RETURN FORCE:	0,8 ± 0,3N
ACTUATION STRENGTH:	>50 N, parallel to PCB
	>100 N, vertical (push) to PCB
	>50 N traction (pull) force

Electrical

SWITCHING POWER MAX: 0,20 VA MIN / MAX SWITCHING VOLTAGE: (VDC) 20mV / 30 V MIN / MAX SWITCHING CURRENT: 1mA / 50mA BOUNCE: < 1 ms

Environmental

OPERATING TEMPERATURE: -40°C to 85°C STORAGE TEMPERATURE: -40°C to 95°C

Process

AUTOMATIC SOLDERING: Reflow compatible per CECC00802

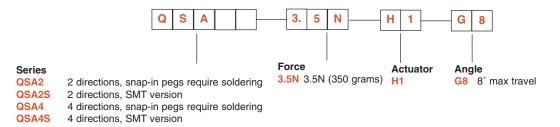
Other Data

CONTACT MATERIAL: Au on Ni layer SOLDERING PINS: Au flash HOUSING MATERIAL: Thermoplastic

NOTE: Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

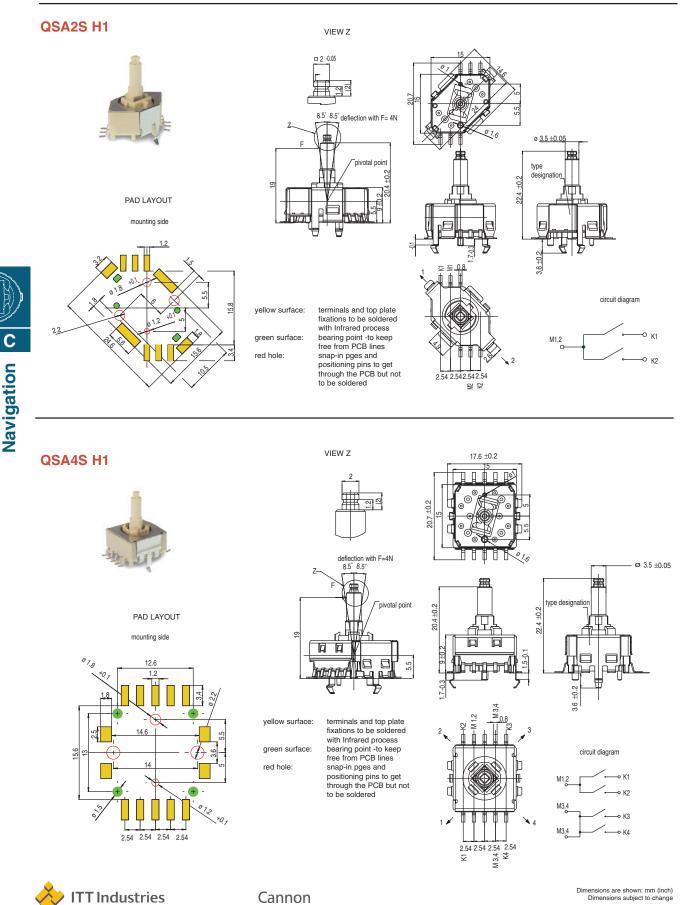




Cannon

Dimensions are shown: mm (inch) Dimensions subject to change

QSA Series



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