

KMT0 Series Nano-miniature SMT Top Actuated Tact Switch



Features/Benefits

- Smallest footprint
- Smallest thickness with integrated actuator
- IP68
- Ultra low current capabilities

Typical Applications

- Mobile Phones
- Hearing Aids
- MP3 accessories
- Bluetooth Headset

Part Number	Actuation Force	Contact Material	Tactile Feeling	Operating Life	Travel
KMT011NGJ LHS	1.0 N	Silver	10%	300,000 cycles	0.15 ± 0.1 mm
KMT031NGJ LHS	3.4 N	Silver	30%	300,000 cycles	0.15 ± 0.1 mm
KMT071NGJ LHS	2.3 N	Silver	30%	300,000 cycles	0.15 ± 0.1 mm

KMR Series Microminiature SMT Top Actuated



Features/Benefits

- Long Life version
- 4 actuation forces
- Optional ground pin
- Ultra low current capabilities
- Excellent tactile feel

Typical Applications

- Automotive
- Cellular phones
- Industrial electronics
- Medical equipment

Part Number	Actuation Force	Contact Material	Operating Life	Travel
KMR211G LFS	1.2 N	Silver	200,000 cycles	0,2 ± 0,1 mm
KMR221G LFS	2.0 N	Silver	200,000 cycles	0,2 ± 0,1 mm
KMR231G LFS	3.0 N	Silver	150,000 cycles	0,25 ± 0,1 mm
KMR421G LFS	2.0 N	Silver	200,000 cycles	0,25 ± 0,1 mm
KMR431G LFS	3.0 N	Silver	150,000 cycles	0,30 ± 0,1 mm

KMS Series Microminiature SMT Side Actuated



Features/Benefits

- Compact size
- Excellent tactile feel
- ESD protection
- Positioning pegs for stability
- IP 40 sealing

Typical Applications

- Mobile phones
- PDAs
- Medical handheld monitors
- Consumer electronics
- Telecommunication networks

Part Number	Actuation Force	Contact Material	Tactile Feeling	Operating Life	Travel
KMS221G LFS	2.0 N	Silver	15%	100,000 cycles	0,25 ± 0,15 mm
KMS231G LFS	3.0 N	Silver	15%	100,000 cycles	0,3 ± 0,15 mm

PTS525 Series Microminiature SMT Top Actuated



Features/Benefits

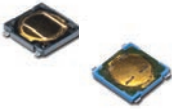
- Ultra low profile, 0.8 & 1.5 mm actuator height
- Long life
- Compact package of 5.25 x 5.25 mm saves PCB space

Typical Applications

- Consumer products
- Instrumentation
- Computer products
- Hand-held devices

Part Number	Actuation Force	Total Height	Operating Life	Travel
PTS525SM15SMTR2LFS	160 gf	1,5 mm	100,000 cycles	0,30 ± 0,15 mm

PTS530 Series Ultra Low Profile SMT Top Actuated



Features/Benefits

- 4.5 x 4.5 mm footprint
- 0.55 mm thickness
- High number of cycles
- Symbol line identification

Typical Applications

- MP3 accessories
- Bluetooth headset
- Remote controls
- Garage door opener

Part Number	Termination Style	Actuation Force	Operating Life	Travel
PTS530GM055SMTRLFS	G	160 ± 30 gf	1,000,000 cycles	0.2mm - 0.1 /+ 0.15mm
PTS530GK055SMTRLFS	G	260 ± 30 gf	200,000 cycles	0.2mm - 0.1 /+ 0.15mm

PTS810 Series Microminiature SMT Top Actuated



Features/Benefits

- 4.2 x 3.2 mm footprint
- 2.5 mm thickness
- High number of cycles
- Color coded actuators

Typical Applications

- Control panels
- Nomad devices
- Remote controls
- Keyless entry system

Part Number	Actuator Color	Actuation Force	Operating Life	Travel
PTS810SJM250SMTRLFS	Gray	160 ± 50 gf	150,000 cycles	0.15mm ± 0.1mm
PTS810SJK250SMTRLFS	White	260 ± 70 gf	50,000 cycles	0.15mm ± 0.1mm

PTS820 Series Microminiature SMT Top Actuated



Features/Benefits

- 3.9 x 2.9 mm footprint
- Three different heights
- High number of cycles
- Reduced footprint

Typical Applications

- Control panels
- Nomad devices
- Remote controls
- Keyless entry system

Part Number	Height	Pegs	Actuation Force	Operating Life
PTS820J25MSMTRLFS	2.5	No	160 ± 50 gf	200,000 cycles
PTS820J25KSMTRLFS	2.5	No	250 ± 50 gf	100,000 cycles

PTS840 Series Microminiature SMT Side Actuated



Features/Benefits

- 3.5 x 3.55 mm footprint
- Front PIP leads option for strong shear resistance
- ESD pin option
- Reduced footprint

Typical Applications

- Nomad devices
- Remote controls
- Personal health diagnostics
- Consumer electronics

Part Number	Actuation Force	Operating Life	Ground	Termination Style	Pegs
PTS840 PM SMTR LFS	160 gf -40/+70gf	100,000 cycles	No	P	No
PTS840 PK SMTR LFS	220 gf -70/+80 gf	100,000 cycles	No	P	No
PTS840 GMP SMTR LFS	160 gf -40/+70gf	100,000 cycles	No	G	Yes
PTS840 GKP SMTR LFS	220 gf -70/+80 gf	100,000 cycles	No	G	Yes
PTS840 ESD PM SMTR LFS	160 gf -40/+70gf	100,000 cycles	Yes	P	No
PTS840 ESD PK SMTR LFS	220 gf -70/+80 gf	100,000 cycles	Yes	P	No
PTS840 ESD GMP SMTR LFS	160 gf -40/+70gf	100,000 cycles	Yes	G	Yes
PTS840 ESD GKP SMTR LFS	220 gf -70/+80 gf	100,000 cycles	Yes	G	Yes

KSR Series Microminiature SMT Top Actuated



Features/Benefits

- Saves PCB space
- Range of actuation forces
- Detect type available
- Rubber actuator
- IP 50 sealed

Typical Applications

- Automotive
- Mobile phones & accessories
- Industrial electronics
- Computers & network equipment

Part Number	Operating Force	Contact Material	Switch Function	Operating Life	Travel
KSR221G LFS	2.2 N	Silver	Normally open	100,000 cycles	0,3 ± 0,15 mm
KSR231G LFS	3.0 N	Silver	Normally open	100,000 cycles	0,35 ± 0,15 mm
KSR251G LFS	4.5 N	Silver	Normally open	100,000 cycles	0,5 ± 0,15 mm
KSR223GNC LFG	2.0 N	Gold	Normally closed	30,000 cycles	0,3 ± 0,15 mm

KSS Series Subminiature SMT Side Actuated



Features/Benefits

- Low profile of 1.6 mm
- Excellent tactile feel
- Large flat top
- IP 40 sealed

Typical Applications

- Mobile phone
- Industrial electronics
- Health diagnostic electronics

Part Number	Operating Force	Contact Material	Switch Function	Operating Life	Travel
KSS221GLFS	2.0 N	Silver	Normally open	200,000 cycles	0,3 ± 0,15 mm
KSS231GLFS	2.0 N	Gold	Normally open	200,000 cycles	0,3 ± 0,15 mm
KSS321GLFS	2.0 N	Gold	Normally closed	30,000 cycles	0,3 ± 0,15 mm

KSC Series Sealed Tact Switches for SMT



Features/Benefits

- Positive tactile feeling
- Range of 6 actuation forces
- IP 67
- Gullwing option available for each part number

Typical Applications

- Automotive
- Cellular phones
- Industrial electronics
- Network infrastructure and IT

Part Number	Operating Force (Min/Max)	Actuator Height	Operating Life	Travel
KSC241JLFS	3 N	3,5 mm	300,000 cycles	0.5 ± 0.2 mm
KSC321JLFS	1.6 N	3,5 mm	300,000 cycles	0.2 +0.3 mm
KSC441J 70SH LFS	3 / 4 N	5,2 mm	300,000 cycles	0.75 ± 0.25 mm
KSC441J ST2 LFS	3.4 ± 1N	5,2 mm	300,000 cycles	0.35 ± 0.20 mm
KSC641J LFS	3 / 4 N	7,7 mm	300,000 cycles	0.5 ± 0.2 mm

Other options: height, force, travel, operating life available on request

Product configurations shown are not limited to example above, please refer to the full line catalog, website or C&K sales representative

KSC4V2 Series Side Actuated Sealed Tact Switch



Features/Benefits

- Full SMD side actuated
- Haptic adaptability
- Pin in paste terminations
- IP 67

Typical Applications

- Automotive
- Industrial
- Telecommunication networks
- Network infrastructure and IT

Part Number	Operating Force	Contact Material	Operating Life	Travel
KSC441V2SPDLFS	3.5 ± 1.0	Silver	300,000 cycles	0.7 ± 0.2 mm

Other options: height, force, travel, operating life available on request

KSC9 Series SMD Sealed Tact Switch for Adjustable Height



Features/Benefits

- SMD switch
- Adjustable height with buttons
- Overload resistance
- IP 67

Typical Applications

- Industrial
- Telecommunication networks
- Network infrastructure and IT

Part Number	Operating Force	Contact Material	Operating Life	Travel
KSC921J LFS	1.7 ± 0.5	Silver	300,000 cycles	0.4 ± 0.2 mm
KSC931J LFS	2.55 ± 0.65	Silver	300,000 cycles	0.4 ± 0.2 mm
KSC941J LFS	3.4 ± 0.85	Silver	300,000 cycles	0.4 ± 0.2 mm

KSA / KSJ Series High Performance Sealed Tact Switch



Features/Benefits

- Designed for automatic or manual insertion
- Cambered terminals to ensure self retention
- Top or side actuated
- Large choice of caps

Typical Applications

- Automotive
- Industrial
- Telecommunication networks

Part Number	Operating Force	Contact Material	Operating Life	Travel
KSA0M411LFT	3 N	Silver	100,000 cycles	0.6 ± 0.2 mm
KSA0M211LFT	1.3 N	Silver	100,000 cycles	0.5 ± 0.2 mm
KSA0M311LFT	1.3 N	Silver	1,000,000 cycles	0.5 ± 0.2 mm
KSA0M332LFT	1.3 N	Gold	1,000,000 cycles	0.5 ± 0.2 mm
KSJ0M41180SHLFT	2.25 - 3.75N	Silver	100,000 cycles	0.5 ± 0.25 mm

Product configurations shown are not limited to example above, please refer to the full line catalog, website or C&K sales representative

KSE Series High Performance Sealed Tact Switch



Features/Benefits

- Low profile
- Cost efficient
- IP 67
- Gullwing option available for each part number

Typical Applications

- Smart meters
- Home appliances
- Consumer electronics
- Industrial electronics
- Telecommunications

Part Number	Operating Force	Operating Life	Travel
KSEM31JLFS	1.5 ± 0.5 N	300,000 cycles	0.3 + 0.1/-0.2 mm
KSEK43LFS	2.25 ± 0.75 N	300,000 cycles	0.34 ± 0.2 mm

K8 Series Lighted SMT Tact Switch with Rugged LED Mounting Process



Features/Benefits

- LED assembly without soldering
- Various LED options
- No light perturbation
- Sound haptic
- Various climatic classes

Typical Applications

- Automotive
- Network equipment
- Telecommunications
- Medical equipment
- Industrial controls

Part Number	Operating Force	Operating Life	Travel
K8xx41G LFS*	4N	300,000 cycles	0.45±0.15 mm

*Several colors are available, please refer to full line catalog for complete part number

ITS Series Illuminated Pushbutton



Features/Benefits

- Vertical and right angle
- Thru-hole and SMT models
- Multiple caps and legends
- Several LED colors and bi-color options

Typical Applications

- Consumer electronics
- Server/storage
- Medical devices
- Test/Measurement/Instrumentation

Part Number	LED Color	Mounting Style	Operating Life	Operating Force
ITS10FV1ST	Red	Vertical thru-hole	50,000 cycles	160gf ± 50gf
ITS13FV2SR	Red / Green	Vertical SMT Gull wing	50,000 cycles	160gf ± 50gf
ITS50FV3SR	White	Vertical SMT Gull wing with J bend LED	50,000 cycles	160gf ± 50gf
ITS23FR1ST	Yellow / Green	Right angle thru-hole	50,000 cycles	160gf ± 50gf
ITS40FR2ST	Blue	Right angle thru-hole 2.5mm leads	50,000 cycles	160gf ± 50gf

Refer to full line catalog for available caps and other options

ED & EDM Series Dome Switches



Features/Benefits

- Short travel
- Good tactile feedback
- Self cleaning
- 3 actuation forces

Typical Applications

- Aircraft
- Instrument
- Panels
- Radio equipment

Part Number	Function	Operating Force	Travel	Tactile Feeling	Return Force
EDSAC LFS	SPST, normally open	2.4 ± 25% N	0.3 ± 0.15 mm	> 25%	> 0.4 N
EDSSC LFS	SPST, normally open	2.4 ± 25% N	0.3 ± 0.15 mm	> 30%	> 0.4 N
EDM450SAC LFS	SPST, normally open	4.5 ± 25% N	0.5 ± 0.25 mm	> 25%	> 1.0 N
EDM650SSC LFS	SPST, normally open	6.5 ± 25% N	0.6 ± 0.25 mm	> 25%	> 1.6 N

Note - this catalog represents a small sample of C&K part numbers. C&K has over 55,000 part numbers available.

Please refer to the C&K full line catalog for a complete list of products and configurations.

Dimensions and specifications subject to change.