Compact size & low-signal mechanical switches

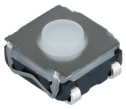
Image	Switch Line	Electrical Rating	Dimension	Height	Travel	Force	Life Cycles
Technical							
	TCS6E	50 mA, 12 VDC	6*6 mm	4.3/4.5/5.0/7.0/7.3/8/9.5/11/13/16/18/20/22/25 mm	0.25/0.3 mm	1 /1.3 /1.6 /2 /2.6 /3.2 /3.5 N	100,000 (Or consult for 1M long life)
	TCS6F	50 mA, 30 VDC	6.2*6.2 mm	3.5/4.9/5.2 mm	0.3+0.2/-0.1 mm	1.45 /2.5 N	10,000,000 5,000,000
	TCS43	50 mA, 12 VDC	4.2*3.2 mm	2.5 mm	0.2+/-0.1 mm	1.8 /2.5 /4 N	100,000
	TCS24	50 mA, 32 VDC	2.8*4.2 mm	1.9 mm	0.2±0.1 mm	2 /3 N	200,000 50,000
	TCS23	50 mA, 12 VDC	2.75*3.5 mm	1.4 mm	0.12±0.1 mm	1.6 N	200,000
	TCS37	50 mA, 12 VDC	3.7*3.7 mm	0.35 mm	0.15±0.1 mm	1.6 /2.3 N	500,000 300,000
	TCS32	20 mA, 15 VDC	3*2 mm	0.6 mm	0.13±0.05 mm	1 /1.6 /2.4 /3.2 N	500,000 300,000
	TCSV5	50 mA, 12 VDC	4.5x3.4 mm	3.3 mm	0.2±0.1 mm	0.8 /1.6 N	100,000 1,000,000
	TCSV6	50 mA, 12 VDC	6.2*6.2 mm	variable heights (from 4.3~13 mm)	0.25/0.3 mm	1 /1.3 /1.8 /2.5 /3.2 N	100,000
	TCV6S	50 mA, 12 VDC	6.2*6.2 mm	4.2 mm	0.25±0.15 mm	2.5 N	100,000
	SMS	50 mA, 30 VAC/ 42 VDC	11.4*11.4 mm	variable heights (from 4.55~22.6 mm)	0.35 ± 0.1 mm	1.8 /2.2 N	1,000,000
	PMS	50 mA, 30 VAC/ 42 VDC	11.4*11.4 mm	variable heights (from 4.55~22.6 mm)	0.35 ± 0.1 mm	1.8 /2.2 N	1,000,000

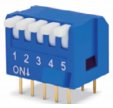
Image	Switch Line	Electrical Rating	Dimension	Height	Travel	Force	Life Cycles
Technical							
	MTG	125 mA, 48 VDC	12.65*12.65 mm	variable heights (from 4~19.75 mm)	0.45 ± 0.1 mm	2.5 ± 0.5 N	1,000,000
	PB12M	400 mA, 32 VDC 100 mA, 50 VDC 125 mA, 125 VAC	12 mm		1.5 mm	2~5 N	1,000,000
	PB12F	5 A, 28 VDC	12 mm		1.8 mm	8 N	1,000,000
	DTCD	25 mA, 24 VDC (switching) 100 mA, 50 VDC (steady state)	1.27 mm pitch	2.2 mm		≤5 N	1,000
	DTCJ	25 mA, 24 VDC (switching) 100 mA, 50 VDC (steady state)	1.27 mm pitch	2.2 mm		≤5 N	1,000
	DMSD	25 mA, 24 VDC (switching) 100 mA, 50 VDC (steady state)	2.54 mm pitch	3.6 mm		≤8 N	2,000
	DMTH	25 mA, 24 VDC (switching) 100 mA, 50 VDC (steady state)	2.54 mm pitch	3.6 mm		≤8 N	2,000
	DSTH	25 mA, 24 VDC (switching) 100mA, 50 VDC (steady state)	2.54 mm pitch	5.75 mm		≤8 N	2,000
	DSST	25 mA, 24 VDC (switching) 100mA, 50 VDC (steady state)	2.54 mm pitch	10.3 mm		≤8 N	2,000
	SSR9	0.3 A, 6 VDC (J type) 1 mA, 5 VDC (G type)	9.0x3.3 mm (J type) 7.8x3.2 mm (G type)	3.5 mm (J type) 0.7 mm (G type)		200 gf (J type) 1 N (G type)	5,000 (J type) 10,000 (G type)
	SSYZ	100 mA, 12 VDC	3*7.2 mm/9.8 mm 3.5*7 mm/9.8 mm	1.5 mm			10,000
	PB124	30 mA, 28 VDC	12.4*12.4 mm	10.6 mm	2.0 mm	3.4 N ~ 6.4 N	20,000
	MCS 18	125 mA, 48 VDC	18 mm	4 mm	0.5 ± 0.1 mm	3 ± 1 N	1,000,000

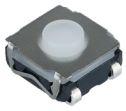
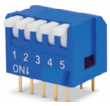
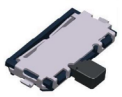
Image	Switch Line	Features	Application	Machinery	Food Processing	Industrial Automation	Building Automation	Vending & POS	Testing & Meas. Equipment	Logistics Equipment	Surgical & Intensive Care	Dental	Diagnostic	Physiotherapy & Orthopedics	Laboratory	Medical Home Care Devices	White Goods	Consumer Electronics	Off-highway	Photovoltaic Inverters
Application																				
	TCS6E	> Compact size 6 x 6 mm > Full range of actuation forces > Variety of actuator lengths > Options of SMD, J bending and THT	High-end consumers, industrial, instrumentation, computer products	Y		Y	Y		Y	Y		Y			Y	Y	Y	Y		
	TCS6F	> Compact size 6.2 x 6.2 mm > IP67 waterproof > Up to 10M and 5M lifecycles > Options of different actuation forces & heights > Options of termination on gullwing or J type > Soft actuator	High-end consumers, industrial, medical, power tooling	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
	TCS43	> Microminiature size 4.2 x 3.2 mm > Low profile 2.5 mm height > High number of cycles > Reliable tactile feedback	High-end consumers, home automation, medical, IoT devices				Y	Y					Y			Y	Y	Y		
	TCS24	> Microminiature size 2.8 x 4.2 mm > Low profile 1.9 mm height > IP67 waterproof > Excellent tactile feeling	Medical, high-end consumers, industrial, transportation				Y						Y			Y	Y	Y		
	TCS23	> Ultraminiature size 2.75*3.5 mm > Low profile 1.4 mm height > Optional ground pin > High number of cycles	Wearable electronics, nomad devices, remote controls, keyless entry systems				Y									Y	Y	Y		
	TCS37	> Ultraminiature size 3.7 x 3.7 mm > Ultra low profile 0.35 mm height > Up to 500,000 cycles, long lifetime > J type termination space saving	High-end consumer, bluetooth headset, remote control				Y									Y	Y	Y		
	TCS32	> Ultraminiature size 3 x 2 mm > Ultra Low profile 0.6 mm height > IP67 waterproof > Up to 500,000 cycles, long lifetime	High-end consumer, wearable device, sport headset, hearing aids				Y									Y		Y		
	TCSV5	> Microminiature 4.5 x 3.4 x 3.3 mm > SMD terminal with bracket peg design > Options of different actuation forces > High number of cycles > Side actuated	Mobile radios, dash cameras, gaming peripherals, home automation				Y									Y		Y		
	TCSV6	> Compact size 6 x 6 mm > Variety of product lengths > Options of actuation force > THT terminal with strong shear force	Industrial, high-end consumer, instrumentation medical												Y		Y	Y		
	TCV6S	> Compact size 6 x 6 mm > IP67 seal version > Options of actuation force > PIP reflow-solderable terminals	Industrial, high-end consumer, instrumentation, medical											Y	Y	Y	Y	Y		
	SMS	> Option of 2.2 N (IP67) and 1.8 N (IP40) > Reliable tactile feedback on input with different heights > SMD solder terminals > Switches are possible with different heights > High-quality gold and silver contacts	Industrial equipment, commercial buildings, instrumentation	Y		Y	Y			Y										
	PMS	> Option of 2.2 N (IP67) and 1.8 N (IP40) > Reliable tactile feedback on input > High-quality gold and silver contacts > Switches are possible with different heights > 1M cycles, long lifetime > Through hole wave solder terminals	Industrial equipment, commercial buildings, instrumentation	Y		Y	Y			Y										

Image	Switch Line	Features	Application	Machinery	Food Processing	Industrial Automation	Building Automation	Vending & POS	Testing & Meas. Equipment	Logistics Equipment	Surgical & Intensive Care	Dental	Diagnostic	Physiotherapy & Orthopedics	Laboratory	Medical Home Care Devices	White Goods	Consumer Electronics	Off-highway	Photovoltaic Inverters
Application																				
	MTG	> Options of heights > Reliable tactile feedback on input > Simple assembly > 1m cycles, long lifetime	Medical, industrial, building, transportation			Y	Y	Y		Y										
	PB12M	> IP67 sealed > 1,000,000 lifecycles > Illumination / non-illumination > Multiple colored caps > Threaded or snap-in mounting	Harsh environments, industrial, medical, transportation, offroad joystick control modules, military	Y		Y	Y		Y							Y			Y	Y
	PB12F	> IP68 sealed > 1,000,000 lifecycles > Multiple colored caps > Threaded	Harsh environments, industrial, medical, transportation, offroad joystick control modules, military	Y		Y	Y		Y							Y			Y	Y
	DTCD	> 1.27 mm half pitch for space saving > 2.2 mm height low profile design > SMD type terminal > High number of cycles	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y	Y		Y	Y	Y					Y	Y			Y
	DTCJ	> 1.27 mm half pitch for space saving > 2.2 mm height low profile design > J type terminal > High number of cycles	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y	Y		Y	Y	Y					Y	Y			Y
	DMSD	> 2.54 mm standard pitch design > Low profile design > SMD type terminal > High number of cycles	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y	Y		Y	Y						Y	Y			
	DMTH	> 2.54 mm standard pitch design > Low profile design > Through hole terminal > High number of cycles	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y	Y		Y	Y						Y	Y			
	DSTH	> 2.54 mm standard pitch > Traditional THT > Extended actuator for easy actuation > Options of different colors	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y			Y	Y										
	DSST	> 2.54 mm standard pitch > Traditional THT > Extended side pushing actuator > Options of different colors	Address switch for industrial controls, logic switching for computers and peripherals, function controlling for numerous applications	Y	Y	Y			Y	Y										
	SSR9	> Non-shorting > Positive detent > Low profile > Reflow soldering process	Medical, telecom, instrumentation, consumers						Y							Y		Y		
	SSR9	> Non-shorting > Miniature and low profile design > Options of SPDT, SP3T, DPDT, DP3T > Reflow soldering process	High end consumer, telecom, instrumentation, computer peripherals						Y							Y		Y		
	PB124	> Long travel > High actuation force > Strong tactile feedback > Options of SPST and SPDT	Consumer appliances, audio & visual equipment, medical, instrumentation	Y		Y	Y	Y		Y					Y					
	MCS 18	> IP65 waterproof > Extremely low profile design > Various lettering options > 1M cycles, long lifetime	Medical, industrial, building, transportation			Y	Y	Y		Y										

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