

RoHS Compatible

5E-5G

High Temperature Versions

Silver

Gold

Electrical Specifications		
Contact resistance	<30m Ω - typ. 10m Ω	
Insulation resistance	>10M Ω	
Recommended load	0.5-50mA 24VDC	0.5 μ -50mA 24VDC
Contact bounce	<2mS - typically 0.5mS	
Mechanical Specifications		
Standard actuation force (switch)	2.0N, 3.5N, 6.5 N	
Max. Actuation force without cap	100N for 10 sec	
Key travel (switch)	1 mm	
Life time (switch)	>10,000,000 cycles	
Temperature Range		
Working temperature	Min -40°C Max +160°C	
Storage temperature	Min -40°C Max +160°C	
5G with LED (working & storage temp)	Min -30°C Max +85°C	
Soldering (through-hole switch)		
	IEC 68-2-20 8:	
	Infrared, vapour phase, wave - max 240°C for max 40 sec or max 260°C for max 30 sec.	
	Soldering iron - max 350°C for max 3 sec.	
	Flux tight.	
Soldering (SMD)		
	JEDEC J-STD-020C	
Environmental Endurance IEC 68-2-3		
Temperature	+40°C	
Humidity	93% RH	
Duration	56 Days	
Temperature Cycling IEC 68-2-14		
Temperature limit	Min -55°C - Max +85°C	
Number of cycles	200	
Exposure time at each temperature	10 min	
Recovery time before measurements	16 hrs	
Sealing IEC 529	IP-67	
Cleaning	Standard methods - see usage guidelines	
Material Specifications - Switches		
Housing	PPS UL94VO	
Actuator	PPS UL94VO	
Sealing + spring	Silicone rubber	
Contact spring	Stainless steel	Stainless steel
	+ 3 μ Ag	+ 1 μ Au
Fixed contacts	SnCu + 2 μ Ni + 3 μ Ag	SnCu + 2 μ Ni + 1 μ Au
Terminals	SnCu + 2 μ Ni + 3 μ Sn100	