Series MS

General Specifications

Electrical Capacity (Resistive Load)

Power Level: 6A @ 125V AC or 3A @ 250V AC

Other Ratings

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC
Dielectric Strength:	1,000V AC minimum between contacts for 1 minute minimum;
-	1,500V AC minimum between contacts & case for 1 minute minimum
Mechanical Life:	50,000 operations minimum
Electrical Life:	25,000 operations minimum
Contact Timing:	Nonshorting (break-before-make)
Total Travel:	.087″ (2.2mm)

Materials & Finishes

Actuator:	Polyamide (UL94V-0)
Frame:	Stainless steel
Case:	Glass fiber reinforced diallyl phthalate resin (UL94V-0)
Movable Contacts:	Silver alloy
Stationary Contacts:	Silver capped copper with silver plating
Terminals:	Copper or brass with silver plating

Environmental Data

Operating Temp Range:	–15°C through +60°C (+5°F through +140°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range
	& returning in 1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

Processing

Soldering Time & Temp:	Wave Soldering Recommended (PC version): See Profile A in Supplement section.
	Manual Soldering: See Profile A in Supplement section.
	Note: Lever must be in center position while soldering.
Cleaning:	These devices are not process sealed. Hand clean locally using alcohol based solution.

Standards & Certifications

Flammability Standards: UL94V-0 rated actuator & case

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Touch



Distinctive Characteristics

Bright, LED illumination at top of actuator.

Over-center actuator block and plunger design gives crisp actuation, diminishes sparking, and increases operating life.

Guide interlocked with actuator block prevents window locking and maintains correct plunger alignment to assure contact stability.

Antijamming design protects contacts from damage due to excessive downward force on the actuator.

High internal barriers between poles and insulating sheet between case and actuator block give added protection to contacts.

Prominent external insulating barriers increase insulation resistance and dielectric strength.

Epoxy sealed terminals prevent entry of flux, solvents, and other contaminants.

Clinching of frame to case well above base and terminals provides 1,500V dielectric strength.





Actual Size



Factiles



Series MS



Miniature Illuminated Slides

Series MS



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