



# Product Specifications

## American Research & Engineering

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<b><u>ELECTRICAL</u></b>							
Contact resistance	20 X 10 <sup>3</sup> $\Omega$ INITIAL MAXIMUM 80 X 10 <sup>3</sup> $\Omega$ END OF LIFE MAXIMUM						
Current and voltage rating							
Switching	100 mA MAXIMUM @ 20 VDC						
Non-switching	100 mA MAXIMUM @ 50 VDC						
Insulation resistance	1 X 10 <sup>9</sup> $\Omega$ MIN @ 500 VDC (INITIAL)						
Dielectric withstanding voltage	500 DVC MIN.						
Capacitance	5 PICO FARADS MAXIMUM BETWEEN ADJACENT SWITCHES						
<b><u>MECHANICAL</u></b>							
Temperature rating	<table border="1"> <tr> <td>WITHSTANDING</td> <td>-60°C to + 260°C</td> </tr> <tr> <td>OPERATING</td> <td>-40°C to +100°C</td> </tr> <tr> <td>STORAGE</td> <td>-60°C to +125°C</td> </tr> </table>	WITHSTANDING	-60°C to + 260°C	OPERATING	-40°C to +100°C	STORAGE	-60°C to +125°C
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OPERATING	-40°C to +100°C						
STORAGE	-60°C to +125°C						
Humidity	104°F, 95% RH FOR 96 HOURS						
Vibration	PER MIL -- STD -- 202 METHOD 204 Test Condition B.						
Shock	PER MIL -- STD -- 202 METHOD 213 Test Condition C.						
Solderability	PER MIL -- STD -- 202 METHOD 208						
Rated life	2,000 ACTUATIONS						
<b><u>PHYSICAL</u></b>							
Lead Frame for No Lead	PLATED LEADS - SATIN MATT 100% LEAD FREE TIN						
Housing	33% GLASS FILLED POLYPHTALAMIDE (UL94 V-O)						
Actuators	33% GLASS FILLED POLYPHTALAMIDE (UL94 V-O)						
Lead frame	BRASS, 30 MICROINCH GOLD OVER 100 MICROINCH NICKEL AT CONTACT POINTS. SOLDER PLATED LEADS 100 MICROINCH 60/40 SOLDER.						
Slide contacts	BERYLLIUM COPPER, 30 MICROINCH GOLD OVER 100 MICROINCH NICKEL.						
Sealing tape (optional)	SEALING TAPE WITH SILICONE PRESSURE SENSITIVE ADHESIVE.						