

APPLICABLE STANDARD					
RATING	Operating Temperature Range	-55°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C	
	Voltage	30V AC/DC			
	Current	Signal contact : 0.3A Power contact : 5.0A			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
QT		AT			
CONSTRUCTION					
General Examination		Visually and by measuring instrument.		According to drawing.	
Marking		Confirmed visually.		According to drawing.	
ELECTRIC CHARACTERISTICS					
Contact Resistance		20mV AC or less 1kHz,1m A .		Signal contact resistance: 30 mΩ MAX. Power contact resistance: 20 mΩ MAX.	
Insulation Resistance		100V DC.		50 MΩ MIN.	
Voltage Proof		150V AC for 1 min.		No flashover or breakdown.	
MECHANICAL CHARACTERISTICS					
Mechanical Operation		10times insertions and extractions.		① Signal contact resistance: 30 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.	
Vibration		Frequency 10 to 55 Hz,approx 5min, Single amplitude 0.75 mm,10cycles, for 3 directions.		① No electrical discontinuity of 1 μs. ② No damage, crack or Looseness of parts.	
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.		① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature		Temperature -55 → +85°C Time 30 → 30 min Under 5 cycles. (Relocation time to chanber : within 2-3 min)		① Signal contact resistance: 30 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.	
Damp Heat (Steady state)		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.		① Signal contact resistance: 30 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② Insulation resistance: 25MΩ MIN. ③ No damage, crack or looseness of parts.	
Sulphur Dioxide		Exposed in 25 PPM for 96h,25°C,75%. (Refer to JIS C 60068)		Signal contact resistance: 30 mΩ MAX. Power contact resistance: 30 mΩ MAX.	
REMARKS					
Note1: Include the temperature rising by current					
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					
DRAWING NO. ELC-396180-53-00					
PART NO. BM57B0. 6-10DS/2-0. 3V (53)					
CODE NO. CL0673-0069-0-53					
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