

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	CURRENT	1 A	STORAGE HUMIDITY RANGE		
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
QT		AT			
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC or 1000 Hz).		15 mΩ MAX .	
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		□0.635±0.002mm BY STEEL GAUGE		INSERTION FORCE: 3.43 N MAX EXTRACTION FORCE: 0.39 N MIN	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
VIBRATION		FREQUENCY 10 TO 55 TO 10Hz, APPROX 5min SINGLE AMPLITUDE : 0.75 mm, 10CYCLES FOR 3 AXIAL DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.			
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN.	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +125 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER:WITHIN2~3MIN)		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
DRY HEAT		EXPOSED AT 85°C, 96h		① CONTACT RESISTANCE: 15 mΩ MAX.	
COLD		EXPOSED AT -55°C, 96h		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
SULFUR DIOXIDE		EXPOSED AT 25±2°C, 75±5%RH, 25PPM FOR 96 h.(TEST STANDARD :JIS C 60068)		① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION	
</					