

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 85 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO 85 °C	
	VOLTAGE	250 V AC		CURRENT	1 A	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS		QT AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		x x
MARKING		CONFIRMED VISUALLY.				x x
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		1A DC.		30 mΩ MAX.		x -
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(OR 1kHz)		30 mΩ MAX.		x -
INSULATION RESISTANCE		DC 500 V		100 MΩ MIN.		x -
VOLTAGE PROOF		AC 650 V FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x -
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		MEASURED WITH MATING PAIR CONNECTORS.		INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 7.5 N MIN.		x - x -
MECHANICAL OPERATION		200 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 60 mΩ MAX.. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x -
VIBRATION		FREQUENCY 8.3 TO 200 Hz, 43.2m/s ² , AT 20MIN UNDER 12CYCLES FOR 3 DIRECTIONS. MAX AMPLITUDE 10mm.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE:60 mΩ MAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x - x -
SHOCK		981 m/s ² AT 6msec UNDER 10 CYCLES FOR 6 DIRECTIONS		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE:60 mΩ MAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x - x -
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 39.2N MAX.		① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.		x - x -
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 60°C, 90 TO 95%, 4h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x - x -
RAPID CHANGE OF TEMPERATURE		TEMPERATURE:-40→85°C TIME: 15→15 MIN UNDER 500 CYCLES.		① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x - x -
DRY HEAT		EXPOSED AT 85°C, 168h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x -
COLD		EXPOSED AT -40°C, 168h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x - x -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE
△						
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	NH. NAKATA	15.08.08
				CHECKED	KI. HIROKAWA	15.08.08
				DESIGNED	NK. IKUTA	15.08.08
				DRAWN	NK. IKUTA	15.08.08
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-166297-00-00	
HRS	SPECIFICATION SHEET		PART NO.	GT16-/0.7-1.5SC		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL766-0056-4-00 △ 1/1		