

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO 105 °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.		SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.		x	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.		x	—
INSULATION RESISTANCE		500 V DC		1000 MΩ MIN.		x	—
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		— BY STEEL GAUGE.		INSERTION FORCE : — N MAX. WITHDRAWAL FORCE : — N MIN.		—	—
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
VIBRATION		FREQUENCY 20 TO 400 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
SHOCK		FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N MAX.		① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.		x	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40→5 TO 35→ 85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
DRY HEAT		EXPOSED AT 105°C, 300 h.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
COLD		EXPOSED AT -40°C , 120 h.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX,SHIELD:120mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500PPM FOR 8h.		① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.		x	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE,260 °C FOR IMMERSION,DURATION,10s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		x	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
△							
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	KI. HIROKAWA	20200326	
				CHECKED	EJ. WAKATSUKI	20200325	
				DESIGNED	TS. KUBOTA	20200325	
				DRAWN	YK. MITSUISHI	20200221	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-169635-55-00	
		SPECIFICATION SHEET		PART NO.		GT17HG-4DP-2DSA (D) (55)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL767-0317-2-55 △ 1/1	