

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.		○	○
MARKING		CONFIRMED VISUALLY.				○	○
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		1A DC.		SIGNAL: 30 mΩ MAX, SHIELD: 60 mΩ MAX.		○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		SIGNAL: 30 mΩ MAX, SHIELD: 60 mΩ MAX.		○	—
INSULATION RESISTANCE		500 V DC		100 MΩ MIN.		○	—
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		○	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE, —.		INSERTION FORCE — N MAX. EXTRACTION FORCE — N MIN.		—	—
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① SIGNAL:30mΩ MAX, SHIELD:60mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
VIBRATION		FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② SIGNAL:30mΩ MAX, SHIELD:60mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
SHOCK		FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② SIGNAL:30mΩ MAX, SHIELD:60mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 78.4N MAX.		① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.		○	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.		① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40→5 TO 35→ 85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.		① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
DRY HEAT		EXPOSED AT 105°C, 300 h.		① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
COLD		EXPOSED AT -55°C, 120 h.		① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○	—
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8h.		① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX. ② NO HEAVY CORROSION.		○	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		○	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IMMERSION DURATION, 3s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.		○	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
△							
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	KS. SATOH	08.07.09	
				CHECKED	NH. NAKATA	08.07.09	
				DESIGNED	TY. TAKAHASHI	08.07.01	
				DRAWN	TY. TAKAHASHI	08.07.01	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-167220-00	
HRS	SPECIFICATION SHEET			PART NO.	GT17H-4P-2DS (A)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL767-0210-9-00 △ 1/		