

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.		ELC4-167222-00
HRS	SPECIFICATION SHEET		PART NO.	GT17H-4P-2DS (C)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0212-4-00	△ 1/