

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 : 60 mΩ MAX .	x -
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX .	x -
INSULATION RESISTANCE		500 V DC		100 MΩ MIN.	x -
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x -
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE : SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x -
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 CONTACT RESISTANCE : SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX . ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x - 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 : 30 mΩ MAX, SHIELD : 60 mΩ MAX . ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x - x -
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.	x - x -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 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→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 : 120 mΩ MAX . ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x - x -
DRY HEAT		EXPOSED AT 105°C, 300 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x -
COLD		EXPOSED AT -55°C, 120 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x - x -
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8 h.		CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX .	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, 3s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSSED.	x -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	KI. HIROKAWA	20200331
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	EJ. WAKATSUKI	20200327
(NOTE2) APPLICABLE BOARD : 1.6mm.			DESIGNED	TS. KUBOTA	20200325
			DRAWN	YK. MITSUISHI	20200313
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-166937-57-00
HRS	SPECIFICATION SHEET		PART NO.	GT17H-4P-2DS (57)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0166-9-57	△ 1/1