






APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1) 		STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C 		
	VOLTAGE	50 V DC		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.		50 mΩ MAX.		—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		50 mΩ MAX.		—	—
INSULATION RESISTANCE		500 V DC		100 MΩ MIN.		x	—
VOLTAGE PROOF		500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— 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: 100 mΩ 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: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— — x	— — —
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 100N 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: 100 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— 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: 100 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— x x	— — —
DRY HEAT		EXPOSED AT 85°C, 300 h.		① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— x	— —
COLD		EXPOSED AT -40°C , 120 h.		① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		— x	— —
RESISTANCE TO SO ₂ GAS		EXPOSED IN 25 PPM FOR 96h.		① CONTACT RESISTANCE: 100 mΩ MAX. ② NO HARMFUL CORROSION.		— —	— —
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
	2	DIS-T-00003775		NK. IKUTA		MO. OKADA	18. 09. 10
REMARK				APPROVED	KI. HIROKAWA	18. 03. 07	
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	KI. HIROKAWA	18. 03. 07	
(NOTE2) CONTACT RESISTANCE OF OUTER CONDUCTOR AFTER ENVIRONMENTAL AND DURABILITY TEST SHALL BE 150mΩ MAX.				DESIGNED	KT. OKABE	18. 03. 07	
				DRAWN	GYEONGMIN LEE	18. 03. 07	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-376888-00-00	
	SPECIFICATION SHEET			PART NO.	GT43-1PP-HU (D)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL753-1006-0-00  1/1		