

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C	
	VOLTAGE	250 V AC/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.	30 mΩ MAX .	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	—	—
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: 60 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: 60 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: 60 mΩ MAX . ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— — x	— — —
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 98N 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 %, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX . ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— — x	— — —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40→5 TO 35→ 105→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX . 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: 60 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
COLD		EXPOSED AT -55°C, 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8h.	CONTACT RESISTANCE: 60 mΩ MAX .	—	—
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, 3 s.	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			APPROVED	AR. SHIRAI	17. 10. 25
			CHECKED	AR. SHIRAI	17. 10. 25
			DESIGNED	HS. OZAWA	17. 10. 25
			DRAWN	YP. SHEN	17. 10. 25
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-169745-00-00
HRS	SPECIFICATION SHEET		PART NO.	GT8E-2PP-HU (B)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL758-1030-1-00	△ 1/1