APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C
	VOLTAGE	250 V AC	CURRENT	1 A
	CHARACTERISTIC IMPEDANCE	50 Ω		

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.	30 mΩ MAX .	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	—	—
INSULATION RESISTANCE	500V DC	100 MΩ MIN	×	—
VOLTAGE PROOF	650 V AC FOR 1 MIN.	NO FLASHOVER OR BREAKDOWN.	×	—
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0 TO 6 GHz	VSWR 1.5 MAX.	×	—
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED WITH MATING PAIR CONNECTORS.	INSERTION FORCE - N MAX. WITHDRAWAL FORCE - N MIN.	— —	— —
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
VIBRATION	FREQUENCY 20 TO 200 Hz, 43.1 m/s^2 AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE:60 mΩ 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 CONTACT RESISTANCE:60mΩ MAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— — ×	— — —
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.	× ×	— —
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60℃, 90 TO 95%, 500h.	① CONTACT RESISTANCE: 60 mΩ 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 CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— × ×	— — —
DRY HEAT	EXPOSED AT +105℃, 300h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
COLD	EXPOSED AT -55℃, 120h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— ×	— —
RESISTANCE TO SO_2 GAS	EXPOSED IN 500 PPM FOR 8h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	— ×	— —
RESISTANCE TO WATER	①EXPOSED TO 80℃ ENVIROMENT FOR 1h, ②IMMERSED IN THE WATER TO THE DEPTH 100mm FOR 0.5h, ③LEFT IN THE AMBIENT TEMPERATURE FOR 2h, STEPS ② AND ③ ARE 1 CYCLE, 10CYCLES PERFORMED.	NO WATER PENETRATION PERMITTED.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.

APPROVED	NH. NAKATA	15. 09. 03
CHECKED	KI. HIROKAWA	15. 09. 03
DESIGNED	HS. NAGANO	15. 08. 20
DRAWN	HS. NAGANO	15. 08. 20

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-167035-00-00

HRS	SPECIFICATION SHEET	PART NO.	GT16GW-1P-HU(A)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL766-0092-8-00	△0 1/1

FORM HD0011-2-1