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:60mΩ MAX.	×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.	×	—
INSULATION RESISTANCE	500 V DC	1000 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. WITHDRAWAL FORCE : — N MIN.	— —	— —
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
VIBRATION	FREQUENCY 20 TO 400 Hz, 43.1 m/s^2 AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ 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: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N 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 CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX 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: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× × ×	— — —
DRY HEAT	EXPOSED AT 105°C, 300 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
COLD	EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX,SHIELD:120mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× ×	— —
RESISTANCE TO SO_2 GAS	EXPOSED IN 500PPM FOR 8h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.	× ×	— —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE,260 °C FOR IMMERSION,DURATION,10s.	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
△0					

REMARK
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.

APPROVED	KI.HIROKAWA	20200326
CHECKED	EJ.WAKATSUKI	20200325
DESIGNED	TS.KUBOTA	20200325
DRAWN	YK.MITSUISHI	20200221

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

DRAWING NO. ELC-169633-55-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. GT17HG-4DP-2DSA(B)(55)

CODE NO. CL767-0315-7-55 △0 1/1

FORM HD0011-2-1