

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:60mΩ MAX.	x	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)			SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.	x	—
INSULATION RESISTANCE	500 V DC			1000 MΩ MIN.	x	—
VOLTAGE PROOF	650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	x	—
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.	x	—
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.	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:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
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.	x	—
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.	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:30 mΩ MAX, SHIELD:120mΩMAX 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: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.	x	—
COLD	EXPOSED AT -40°C, 120 h.			① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.	x	—
CORROSION, SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.	x	—
RESISTANCE TO HSO ³ GAS	EXPOSED IN - PPM FOR 8h.			① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩMAX ② NO HEAVY CORROSION.	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, 3 s.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	x	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	KS. SATOH	08.12.12
				CHECKED	NA. HARUBAYASHI	08.12.12
				DESIGNED	MH. SHOUI	08.12.12
				DRAWN	MH. SHOUI	08.12.12
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-167242-01	
HRS	SPECIFICATION SHEET		PART NO.	GT17HN-4DP-2DS (A) (10)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0213-7-10		△ 1/1