

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 : 60 mΩ MAX.			x -	
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		SIGNAL : 30 mΩ MAX, SHIELD : 60 mΩ MAX.			x -	
MILLIVOLT LEVEL METHOD							
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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 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 : SIGNAL : 60 mΩ MAX, SHIELD : 120 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 -	
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 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→85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x -	
DRY HEAT	EXPOSED AT 105°C, 1000 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x -	
COLD	EXPOSED AT -40°C, 1000 h.		① CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x -	
RESISTANCE TO SO ₂ GAS	EXPOSED IN 500 PPM FOR 8 h.		CONTACT RESISTANCE : SIGNAL : 60 mΩ MAX, SHIELD : 120 mΩ MAX.			x -	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 °C FOR 2 TIMES.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			x -	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT. (NOTE2) APPLICABLE BOARD : 1.2~1.6mm					APPROVED	KI. HIROKAWA	20200331
					CHECKED	EJ. WAKATSUKI	20200330
					DESIGNED	TS. KUBOTA	20200325
					DRAWN	YK. MITSUISHI	20200313
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-167010-66-00	
	SPECIFICATION SHEET			PART NO.	GT17HN-4DP-2H(B) (66)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL767-0175-0-66		1/1