

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	△1 -10 °C TO +60 °C(NOTE2)		
	CURRENT	3 A	STORAGE △1 HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX		
	VOLTAGE	250V AC		(NOT DEWED)		
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 .	x	—	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	x	—	
INSULATION RESISTANCE		500 V DC.	1000 MΩ MIN.	x	—	
VOLTAGE PROOF		1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	—	
MECHANICAL CHARACTERISTICS						
TERMINAL INSERTION AND EXTRACTION FORCE		MEASURING AT 100mm/min.	4.9N MAX.	x	—	
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x 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: 60 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x x 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 x 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 %, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x x x	— — —	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE- 40 →5 TO 35 →120 →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 x x	— — —	
DRY HEAT		EXPOSED AT 105°C, 300 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x x	— —	
COLD		EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x x	— —	
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8h.	① CONTACT RESISTANCE: 60 mΩ MAX.	x	—	
RESISTANCE TO SOLDERING HEAT		SPECIFIED TEMPERATURE PROFILE FOR 2CYCLES.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	x	—	
SOLDERABILITY		SOLDERED AT SPECIFIED TEMPERATURE PROFILE.	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	
△1	3	DIS-T-00009122	AN. SAIKI	HH. TSUKUMO	20210413	
REMARK			APPROVED	NH. NAKATA	20151028	
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	HS. OZAWA	20151028	
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.			DESIGNED	TK. SHISHIKURA	20151028	
△1			DRAWN	TK. SHISHIKURA	20151028	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-364861-00-00		
HRS	SPECIFICATION SHEET		PART NO.	GT25H2-8DP-2. 2V		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0775-0094-0-00	△1	1/1