

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 (NOT DEWED)		
	VOLTAGE	250V AC					
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 <sup>2</sup> 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 <sup>2</sup> 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 <sub>2</sub> 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	AR. SHIRAI	20180219	
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	HS. OZAWA	20180219	
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.				DESIGNED	TK. SHISHIKURA	20180219	
				DRAWN	TK. SHISHIKURA	20180219	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-360213-00-00	
HRS	SPECIFICATION SHEET			PART NO.	GT25H2-24DP-2. 2V		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0775-0083-8-00 △1 1/1		