

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 HUMIDITY RANGE 1	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	VOLTAGE	250 V 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 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.		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-00015104		AN. SAIKI	HH. TSUKUMO	20220906
REMARK				APPROVED	NH. NAKATA	20160229
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				CHECKED	HS. OZAWA	20160229
(NOTE2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.				DESIGNED	TK. SHISHIKURA	20160226
				DRAWN	TK. SHISHIKURA	20160226
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-361744-00-00
HRS	SPECIFICATION SHEET			PART NO.	GT25H2-12DP-2. 2H	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0775-0092-9-00	1/1