

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C	
	VOLTAGE	250 V AC/DC		CURRENT	3 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.		30 mΩ MAX.		X -
CONTACT RESISTANCE		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		30 mΩ MAX.		X -
MILLIVOLT LEVEL METHOD						
INSULATION RESISTANCE		- V DC		100 MΩ MIN.		- -
VOLTAGE PROOF		- V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		- -
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCE		MEASURING BY OPPOSITE CONTACT		INSERTION FORCE:4.9N MAX EXTRACTION FORCE:4.9N MAX		X - 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 -N MAX.		① DURING APPLYING,MATING COMPLETELY. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		- - - -
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 -
THERMAL SHOCK		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 -
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 HSO ₃ GAS		EXPOSED IN 500 PPM FOR 8h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		X - X -
RESISTANCE TO SOLDERING HEAT		SPECIFIED TEMPERATURE PROFILE FOR 2CYCLES.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		- -
SOLDERABILITY		SOLDERED AT SPECIFIED TEMPERATURE PROFILE.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.		- -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	AR. SHIRAI	11.07.01
				CHECKED	TY. TAKAHASHI	11.06.30
				DESIGNED	TY. SAKASHITA	11.06.29
				DRAWN	TY. SAKASHITA	11.06.29
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-168756-00	
HRS	SPECIFICATION SHEET		PART NO.	GT25H-2024SCF		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL775-0039-6-00 △ 1/1		