

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-30 °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.		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		— V DC		100 MΩ MIN		—	—
VOLTAGE PROOF		— V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		—	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		— BY STEEL GAUGE		INSERTION FORCE —N MAX EXTRACTION FORCE —N MIN		—	—
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 60 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: 60 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: 60 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT —N MAX.		① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING 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	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40→5 TO 35→ 85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 500 CYCLES.		① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
DRY HEAT		EXPOSED AT 105°C, 300 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
COLD		EXPOSED AT -55°C , 120 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
CORROSINON, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		x	—
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		x	—
RESISTANCE TO SOLDERING HEAT		SOLODER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		—	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 s		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		—	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
△0							
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	AR. SHIRAI	17. 06. 01	
				CHECKED	AR. SHIRAI	17. 06. 01	
				DESIGNED	HS. OZAWA	17. 05. 31	
				DRAWN	YP. SHEN	17. 05. 31	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-166479-01-00	
HRS	SPECIFICATION SHEET			PART NO.	GT25-2630SCF (01)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL775-0012-0-01 △ 1/1		