

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	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		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)		30 mΩ MAX .	x -
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE		500 V DC		100 MΩ MIN .	x -
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x -
MECHANICAL CHARACTERISTICS					
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 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 - 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 %, 96 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→ 105→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		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	- -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 °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			APPROVED	AR. SHIRAI	17. 10. 25
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	AR. SHIRAI	17. 10. 25
(NOTE2) CONTACT: GT8B-2428SCF(CL758-0055-7) OR GT8E-2022SCF(CL758-0033-4) .			DESIGNED	HS. OZAWA	17. 10. 25
(NOTE3) THE STD. VALUE ABOVE INDICATES AT THE STATE APPLICABLE CONTACT ASSEMBLED.			DRAWN	YP. SHEN	17. 10. 25
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-168941-00-00
HRS	SPECIFICATION SHEET		PART NO.	GT8EC-3S-HU	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL758-1017-3-00	△0 1/1