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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	x	-
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	-
VIBRATION	FREQUENCY 20 TO 200 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	-
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	-
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	-
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	-
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	-
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 -40°C , 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX . ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
RESISTANCE TO SO <sub>2</sub> 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	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	GT8EC-3S-HU	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL758-1017-3-00	△0 1/1