

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C		
	VOLTAGE	250 V AC		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 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.		- -	
VOLTAGE PROOF		650 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 - 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 98 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 TO 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 -	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40→5 TO 35→ 85→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 HEAVY CORROSION.		x - x -	
COLD		EXPOSED AT -55°C, 120 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.		x - x -	
CORROSION, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.		x - x -	
RESISTANCE TO HSO ³ GAS		EXPOSED IN 500 PPM FOR 8 h.		① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.		x - 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
	1	DIS-T-00001836		KK. FURUKAWA		TH. MIZUGUCHI	17. 02. 07
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.				APPROVED	KS. SATOH	05. 01. 05	
				CHECKED	NH. NAKATA	05. 01. 05	
				DESIGNED	NA. HARUBAYASHI	05. 01. 05	
				DRAWN	TK. SHISHIKURA	05. 01. 05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-166432-00-00	
	SPECIFICATION SHEET			PART NO.	GT17S-8DS-SC		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL767-0107-0-00  1/1		