APPLICABLE STANDARD		⚠1		
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.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1A DC.	30 mΩ MAX.	–	–
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX.	–	–
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.	– ×	– –
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.	– – ×	– – –
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.	– – ×	– – –
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.	– × ×	– – –
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.	– × ×	– – –
DRY HEAT	EXPOSED AT 105°C, 300 h.	① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	– ×	– –
COLD	EXPOSED AT -55°C, 120 h.	① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	– ×	– –
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	– ×	– –
RESISTANCE TO HSO^3 GAS	EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE : 60 mΩ MAX. ② NO HEAVY CORROSION.	– ×	– –
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	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-166435-00-00

HRS	SPECIFICATION SHEET	PART NO.	GT17S-8DS-R	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL767-0110-4-00	⚠1 1/1

FORM HD0011-2-1