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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	CURRENT	②1 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.	② SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.	X	—
	CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	② SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX.	X	—
②	INSULATION RESISTANCE	500 V DC	100 MΩ MIN.	X	—
②	VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
	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.	② ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X	— —
	VIBRATION	FREQUENCY 20 TO 200 Hz, 43.1 m/s² AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X X	— — —
	SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s² AT 1 h , FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X X	— — —
②	LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 78.4N MIN.	① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.	X X	— —
	ENVIRONMENTAL CHARACTERISTICS				
②	DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ～ 95 %, 500 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X X	— — —
②	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: SIGNAL:60 mΩ MAX, SHIELD:120mΩ 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.	② ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X	— —
	COLD	EXPOSED AT -55°C , 120 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X X	— —
	RESISTANCE TO SO_2 GAS ②	EXPOSED IN 500 PPM FOR 8h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO HEAVY CORROSION.	X X	— —
②					

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
②	14	DIS-T-002416	MH. SHOUJI	NH. NAKATA	11.10.06

REMARK
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.

APPROVED	KS. SATOH	07.01.24
CHECKED	KS. SATOH	07.01.24
DESIGNED	NA. HARUBAYASHI	07.01.23
DRAWN	NA. HARUBAYASHI	07.01.23

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-166640-00

HRS	SPECIFICATION SHEET	PART NO.	GT17HS-4S-5CF	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL767-0135-5-00 ②	1/1

FORM HD0011-2-1