

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO 105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C	
	VOLTAGE	250 V AC	CURRENT	1 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.	SIGNAL: 30 mΩ MAX, SHIELD: 60 mΩ MAX .	○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	SIGNAL: 30 mΩ MAX, SHIELD: 60 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 SIGNAL:30mΩ MAX, SHIELD:60mΩ 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 SIGNAL:30mΩ MAX, SHIELD:60mΩ 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 SIGNAL:30mΩ MAX, SHIELD:60mΩ MAX . ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 78.4N 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 ~ 95 %, 500 h.	① SIGNAL:60mΩ MAX, SHIELD:120mΩ 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 SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX . ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
DRY HEAT		EXPOSED AT 105°C, 300 h.	① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX . ② NO HEAVY CORROSION.	○	—
COLD		EXPOSED AT -55°C , 120 h.	① SIGNAL:60mΩ MAX, SHIELD:120mΩ MAX . ② NO HEAVY CORROSION.	○	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 °C FOR IMMERSION DURATION, 3s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	—	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			APPROVED	KS. SATOH	08. 04. 01
			CHECKED	KS. SATOH	08. 04. 01
			DESIGNED	TY. IKEDA	08. 04. 01
			DRAWN	TY. IKEDA	08. 04. 01
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-166939-00
HRS	SPECIFICATION SHEET		PART NO.	GT17H-4S-2C (B)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL767-0168-4-00	△ 1/1