

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C	
	VOLTAGE	50 V 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		1 A DC.	50 mΩ MAX.	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	50 mΩ MAX.	—	—
INSULATION RESISTANCE		500 V DC	100 MΩ MIN.	X	—
VOLTAGE PROOF		125 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— X	— —
VIBRATION		FREQUENCY AT 20 TO 200 Hz, ACCELERATION AT 43.1 m/s <sup>2</sup> FOR 3 h ON EACH 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— — X	— — —
SHOCK		FREQUENCY AT 20 TO 50 Hz, ACCELERATION AT 66.6 m/s <sup>2</sup> FOR 1 h.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— — 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.	X X	— —
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 % RH, FOR 500 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— X X	— — —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40 °C→ROOM TEMP.→ 85 °C →ROOM TEMP. TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— X X	— — —
DRY HEAT		EXPOSED AT 105 °C FOR 300 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— X	— —
COLD		EXPOSED AT -40 °C FOR 120 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	— X	— —
RESISTANCE TO SO <sub>2</sub> GAS		EXPOSED IN 25 ppm FOR 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO HARMFUL RUST.	— —	— —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	KI. HIROKAWA	18.05.31
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	MO. OKADA	18.05.31
(NOTE2) CONTACT RESISTANCE OF OUTER CONDUCTOR AFTER ENVIRONMENTAL AND DURABILITY TEST : 150 mΩ MAX.			DESIGNED	MH. YAMAGUCHI	18.05.31
			DRAWN	SK. HANAWA	18.05.30
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-351983-00-00	
HRS	SPECIFICATION SHEET		PART NO.	GT36-1A/1S-HU (A)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL786-0054-3-00	△ 1/1