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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	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 300 V		OPERATING HUMIDITY RANGE	85%MAX		
	CURRENT	3 A		STORAGE HUMIDITY RANGE	(NON-CONDENSING)		
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		100 mA (DC OR 1000 Hz).		20 mΩ MAX.		X	—
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.		X	—
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		t=1.575±0.002mm BY STEEL GAUGE.		INSERTION FORCE 2.94 N MAX. EXTRACTION FARCE 0.294 N MIN.		X	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² FOR 2 h, IN 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms FOR 3 TIME IN 3 DIRECTION.				X	—
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→10 TO 15→ 30 →10 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.		X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.		③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
							
REMARK				APPROVED	KI. AKIYAMA	09. 01. 29	
				CHECKED	SI. TOMIOKA	09. 01. 29	
				DESIGNED	NH. SUGITA	09. 01. 29	
				DRAWN	GR. TAKESHIMA	09. 01. 28	
Unless otherwise specified, refer to MIL-STD-1344.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-017835-01	
	SPECIFICATION SHEET			PART NO.		CR22-100D-2. 54DS (70)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL522-0005-2-70  1/	