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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%MAXIMUM (NON-CONDENSING)		
	CURRENT	3 A		STORAGE HUMIDITY RANGE			
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>							
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. (ADJACENT CONTACTS)		NO FLASHOVER OR BREAKDOWN.		X	-
		500 V AC FOR 1 min. (OPPOSITE CONTACTS)				X	-
<b>MECHANICAL CHARACTERISTICS</b>							
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 <sup>2</sup> AT 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 <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME IN 3 DIRECTION.				X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→ 15~35 →+125→15~35°C TIME 30→ 10~15 → 30 →10~15 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, 90~95 %, 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	HT. YAMAGUCHI	18.06.25	
				CHECKED	HT. YAMAGUCHI	18.06.25	
				DESIGNED	HR. NAGAYASU	18.06.25	
Unless otherwise specified, refer to MIL-STD-1344.				DRAWN	TS. HORI	18.06.25	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-383712-00-00	
<b>HRS</b>		SPECIFICATION SHEET		PART NO.	CR22*~**D-2. 54DS (70)		
		HIROSE ELECTRIC CO., LTD.		CODE NO.			△