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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
	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. (ADJACENT CONTACTS)	NO FLASHOVER OR BREAKDOWN.	X	—
	500 V AC FOR 1 min. (OPPOSITE CONTACTS)		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 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^2 DIRECTIONS OF PULSE 11 ms AT 3 TIME IN 3 DIRECTION.		X	—
ENVIRONMENTAL CHARACTERISTICS				
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. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90～95 %, 96 h.		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
⚠0					

REMARK

Unless otherwise specified, refer to MIL-STD-1344.

APPROVED	HT. YAMAGUCHI	18. 06. 25
CHECKED	HT. YAMAGUCHI	18. 06. 25
DESIGNED	HR. NAGAYASU	18. 06. 25
DRAWN	TS. HORI	18. 06. 25

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

DRAWING NO. ELC-383712-00-00

HRS	SPECIFICATION SHEET	PART NO.	CR22*-**D-2. 54DS(70)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	⚠0	1/1

FORM HD0011-2-1