

APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE		-55 °C TO +85 °C (1)		STORAGE TEMPERATURE RANGE		-10 °C TO +60 °C (2)		
	VOLTAGE		300 V AC		OPERATING HUMIDITY RANGE		RELATIVE HUMIDITY 85%MAX		
	CURRENT		2 A		STORAGE HUMIDITY RANGE		(NOT DEWED)		
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		100 V DC.			10 ⁶ MΩ MIN.			X	—
VOLTAGE PROOF		1000 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	—
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 94.2 N MAX. EXTRACTION FORCE: 14.1 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, 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									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.			1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 10 ⁶ MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.						X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.			X	—
	COUNT	DESCRIPTION OF REVISIONS			DESIGNED		CHECKED		DATE
△									
REMARK (1) Include temperature rise caused by current-carrying. (2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.					APPROVED	YH. YAMADA		20210305	
					CHECKED	HT. YAMAGUCHI		20210305	
					DESIGNED	MM. ISHII		20210303	
					DRAWN	MM. ISHII		20210303	
Unless otherwise specified, refer to IEC 60512.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC-019446-52-00		
HRS		SPECIFICATION SHEET			PART NO.		PCN10C-96S-2. 54DSA (52)		
		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL0583-0154-2-52		△