

APPLICABLE STANDARD		IEC-603-2    DIN41612					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	--- °C TO --- °C		
	VOLTAGE	300 V AC		OPERATING HUMIDITY RANGE	--- % TO --- %		
	CURRENT	2 A		APPLICABLE CABLE			
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 <sup>6</sup> MΩ MIN.		X	-
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	-
MECHANICAL CHARACTERISTICS							
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	-
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:		X	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→15 TO 35→125→15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.		10 <sup>6</sup> MΩ MIN. 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 HEAVY CORROSION.		X	-
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
							
REMARK  Unless otherwise specified, refer to MIL-STD-1344.				APPROVED	KI.AKIYAMA	05.07.20	
				CHECKED	SI.TOMIOKA	05.07.20	
				DESIGNED	HT.SUGIMURA	05.07.20	
				DRAWN	HM.SAITO	05.07.19	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-154686-01	
	SPECIFICATION SHEET			PART NO.	PCN10HA-**P-2. 54DSA (72)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	 1/1		