

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	300 V AC	OPERATING HUMIDITY RANGE	85 % MAX	
	CURRENT	2 A	APPLICABLE CABLE	(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		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					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 0.98 N/PIN MAX. EXTRACTION FORCE: 0.156 N/PIN 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> 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 <sup>2</sup> 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:	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			APPROVED	KI.AKIYAMA	05.08.30
			CHECKED	SI.TOMIOKA	05.08.30
			DESIGNED	HT.SUGIMURA	05.08.29
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	HM.SAITO	05.08.29
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-154139-01
HRS	SPECIFICATION SHEET		PART NO.	PCN13-**S-2. 54DSA (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	△	1/1