

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	— % 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 ⁶ 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 ² 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:	X —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→10 TO 15→ 30→10 TO 15min. UNDER 5 CYCLES.		10 ⁶ 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 06.01.16
				CHECKED	SI.TOMIOKA 06.01.14
				DESIGNED	HT.SUGIMURA 06.01.13
Unless otherwise specified, refer to MIL-STD-202.				DRAWN	HM.SAITO 06.01.13
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-019540-01
HRS	SPECIFICATION SHEET		PART NO.	PCN10EA-20P-2. 54DS (72)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL583-0181-5-72	△ 1/1