






APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +105 °C INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING	STORAGE TEMPERATURE RANGE	 -40 °C TO +60 °C	
	VOLTAGE	300 V AC DC	CURRENT	5 A/1pin	
	APPLICABLE CABLE	AWG 18 TO 28			
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
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE		100 mA(DC OR 1000 Hz)	35 mΩ MAX.	X	X
INSULATION RESISTANCE		250 V DC.	5000 MΩ MIN.	X	—
VOLTAGE PROOF		1000 V AC, FOR 60 sec.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 250 N MAX. EXTRACTION FORCE : 250 N MAX.	X	—
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS AT THE SPEED OF LESS THAN 600 TIMES PER 1 HOUR.	1) CONTACT RESISTANCE 40 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, FREQUENCY PACE OF CHANGE 5 OCTAVE/min, AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → +105 °C TIME 30 → 30 min. UNDER 5 CYCLES. AFTER : 1T02 hours AT AMBIENT TEMPERATURES AND HUMIDITY.	1) CONTACT RESISTANCE 40 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, 90T095 %RH, FOR 96 hours . AFTER : 1T02 hours AT AMBIENT TEMPERATURES AND HUMIDITY. (COMBINE THE APPLICABLE CONNECTORS)		X	—
DRY HEAT		EXPOSED AT 105±2 °C FOR 96 hours. AFTER : 1T02 hours AT AMBIENT TEMPERATURES AND HUMIDITY. (COMBINE THE APPLICABLE CONNECTORS)		X	—
COLD		EXPOSED AT -40±2 °C FOR 96 hours. AFTER : 1T02 hours AT AMBIENT TEMPERATURES AND HUMIDITY. (COMBINE THE APPLICABLE CONNECTORS)		X	—
CORROSION SALT MIST		EXPOSED IN 5±1 % SALT WATER , 35±2 °C FOR 72±4 hours. AFTER : WET-CLEAN, 24 hours AT AMBIENT TEMPERATURES AND HUMIDITY. (COMBINE THE APPLICABLE CONNECTORS)	NO HEAVY CORROSION INCLUDING DAMAGE OF CONNECTOR FUNCTION.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARK  STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING. Unless otherwise specified, refer to JIS C 5402.			APPROVED	RI. TAKAYASU	12. 10. 30
			CHECKED	EJ. WAKATSUKI	12. 10. 30
			DESIGNED	TS. IT0	12. 10. 27
			DRAWN	TS. IT0	12. 10. 27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-128114-00
	SPECIFICATION SHEET		PART NO.	PS2-18PC	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL236-1049-1-00	 1/1