



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	AC, DC 300 V	CURRENT	5A	
	APPLICABLE CABLE	AWG#16 TO AWG#18			
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) MAX.	35 mΩ MAX.	X	X
INSULATION RESISTANCE		250 V DC.	5000 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 : 49 N MAX. WITHDRAWAL FORCE : 49 N MAX.	X	-
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE : 40 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION		FREQUENCY : 10 TO 55 Hz, SINGE AMPLITUDE 0.75 mm, AT 5 min/CYCLE. TOTAL 10 CYCLES.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK		IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSION AXIS FOR 3 TIMES AT 490 m/s ² DURATIONS OF PULSE 11 ms.		X	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 105°C TIME 30 → 30 min. UNDER 5 CYCLES. CHAMBER TRANSFER TIME IS 2 to 3 min.	① CONTACT RESISTANCE : 40 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	-
HUMIDITY LIFE		TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h. (MATED)	① CONTACT RESISTANCE : 40 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. (AFTER IT DRIER) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
HEAT RESISTANCE		EXPOSED AT 105 °C ± 2 °C, 96 h. (MATED)	① CONTACT RESISTANCE : 40 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	-
COLD RESISTANCE		EXPOSED AT -40 °C ± 2 °C, 96 h. (MATED)	① CONTACT RESISTANCE : 40 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. (MATED)	NO HEAVY CORROSION THAT LOSE FUNCTION.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
①					
REMARK			APPROVED	R.I. TAKAYASU	12. 12. 04
ABOVE SPESIFICATION SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS.			CHECKED	AH. KODAMA	12. 12. 04
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	TY. MIURA	12. 12. 04
			DRAWN	TY. MIURA	12. 12. 04
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-128199-00	
	SPECIFICATION SHEET		PART NO.	PS2-1618PCA	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL236-1051-3-00	 1/1