



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	5 A	
	CABLE	AWG# 16 ~ 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
Q					
REMARK ABOVE SPESIFICATION SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS. Unless otherwise specified, refer to JIS C 5402.			APPROVED	A0. SUZUKI	12. 02. 14
			CHECKED	KN. ICHIKAWA	12. 02. 14
			DESIGNED	TU. TANIGUCHI	12. 02. 14
			DRAWN	TU. TANIGUCHI	12. 02. 14
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-127468-00
	SPECIFICATION SHEET		PART NO.	PS2-2SC	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL236-1025-3-00	 1/1