

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C(NOTE 1)	STORAGE TEMPERATURE RANGE
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS
	CURRENT	AWG30~20 : 0.5~3A	OPERATING HUMIDITY RANGE

SPECIFICATIONS			
ITEM	TEST METHOD	REQUIREMENTS	QT AT
CONSTRUCTION			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	× ×
MARKING	CONFIRMED VISUALLY.		× ×
ELECTRIC CHARACTERISTICS			
CONTACT RESISTANCE	mA (DC OR 1000 Hz).	mΩ MAX.	— —
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. 1 mA(DC OR 1000 Hz).	30 mΩ MAX.	× —
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	× —
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASH OVER OR BREAKDOWN.	× —
MECHANICAL CHARACTERISTICS			
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	— —
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	— —
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS	× —
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	× —
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.		× —
ENVIRONMENTAL CHARACTERISTICS			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	× —
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	× —
CORROSION SALT MIST	EXPOSED IN — % SALT WATER SPRAY FOR h	① CONTACT RESISTANCE: mΩ MAX. ② NO HAEAVY CORROSION.	— —
HYDROGEN SULPHIDE	EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-38)	① CONTACT RESISTANCE: mΩ MAX. ② NO HAEAVY CORROSION.	— —
SULPHUR DIOXIDE	EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: mΩ MAX. ② NO HAEAVY CORROSION.	— —
SOLDERING HEAT	SOLDER TEMPERATURE, °C FOR IMMERSION, DURATION, S	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS	— —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, S.	SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	— —
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		DRAWN	DESIGNED
		DESIGNED	CHECKED
		APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.		S. Hasegawa '99.11.12	W. Fukuchi '99.11.12
		C. Hanami '99.11.12	K. Katayama '99.11.12
Note QT: Qualification Test AT: Assurance Test ×: Applicable Test			
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET	
CODE NO (OLD): CL		PART NO. DF1E-4S-2.5C	
DRAWING NO. ELC4-160794		PEART NO. CL541-0813-5	
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