

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	-10°C TO 60 °C
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS	DF1E-※※※※PCF
	CURRENT	AWG30~20 : 0.5~3A	OPERATING HUMIDITY RANGE	UL1007,1061:AWG30~20

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.	×	—		
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—		
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	CHECKED	APPROVED	RELEASED
		W.Fukuchi 99.11.12	W.Fukuchi 99.11.12	C.Harumi 99.11.12	K.Katayama 99.11.12	
Unless otherwise specified, refer toMIL-STD-1344.						
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test						
HS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF1EA-6EP-2.5C		
CODE NO (OLD) CL	DRAWING NO. ELC4-161044	PEART NO CL541-0961-2		1 1		