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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE 1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(NOTE 3)		
	OPERATING HUMIDITY RANGE	40% TO 80%(NOTE 2)		STORAGE HUMIDITY RANGE	40% TO 70%(NOTE 3)		
	VOLTAGE	250 V AC		APPLICABLE CONNECTORS	DF1E-※S-2.5C		
	CURRENT	AWG20 - 24 : 3 A AWG26 : 2 A AWG28 : 1 A AWG30 : 0.5 A		UL,CSA	VOLTAGE	AC 30V	
				CURRENT	AWG20 - 22 : 3A AWG24 - 28 : 1A AWG30 : 0.5A		
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
ELECTRIC CHARACTERISTICS							
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.		X	—
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→15 TO 35→85→15 TO 35°C TIME 30 → 5MAX →30→ 5MAX min UNDER 5 CYCLES.		① INSULATION RESISTANCE:1000 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
REMARKS							
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.							
NOTE2:NO CONDENSING.							
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.							
Unless otherwise specified, refer to JIS C 5402.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
				APPROVED	KI. AKIYAMA	10.06.29	
				CHECKED	HK. UMEHARA	10.06.29	
				DESIGNED	HT. SATO	10.06.29	
				DRAWN	MI. SAKIMURA	10.06.22	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-161950-01		
	SPECIFICATION SHEET		PART NO.	DF1EA-※EP-2.5C			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541		1/1	