

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
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			
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.			X	X	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 PCBOARD, 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	K.I. 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		
HRS	SPECIFICATION SHEET		PART NO.	DF1EA-※EP-2.5C			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541			
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