

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
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#### 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 <sup>2</sup> 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	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF1EA-※EP-2.5C	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541	△ 1/1