

Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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	CURRENT	AWG20 TO 22 : 3 A	
				AWG24 TO 28 : 1 A	
			AWG30 : 0.5 A		
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					
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
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 MΩMIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35°C TIME 30→ 5 → 30→ 5 min UNDER 5 CYCLES.		① INSULATION RESISTANCE:1000 MΩMIN. 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.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Unless otherwise specified, refer to JIS C 5402.			APPROVED	TY. OMA	07. 02. 27
			CHECKED	HK. UMEHARA	07. 02. 27
			DESIGNED	AH. MIYAZAKI	07. 02. 22
			DRAWN	AK. MIURA	07. 02. 22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-161939-01
	SPECIFICATION SHEET		PART NO.	DF1E-*S-2. 5C	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541	1/1