

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		CURRENT	AWG20 TO 22 : 3 A AWG24 TO 28 : 1 A AWG30 : 0.5 A		
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION				GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.			
MARKING	CONFIRMED VISUALLY.			ACCORDING TO DRAWING.			
ELECTRIC CHARACTERISTICS							
INSULATION RESISTANCE	500 V DC.			1000 MΩ MIN.			
VOLTAGE PROOF	650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.			NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
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.			
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.			
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.							
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△							
Unless otherwise specified, refer to JIS C 5402.							
Note		QT:Qualification Test	AT:Assurance Test	X:Applicable Test			
HRS		SPECIFICATION SHEET		DRAWING NO.		ELC4-161939-01	
		HIROSE ELECTRIC CO., LTD.		PART NO.	CODE NO.	DF1E-*S-2. 5C	
				APPROVED	TY. OMA	07.02.27	
				CHECKED	HK. UMEHARA	07.02.27	
				DESIGNED	AH. MIYAZAKI	07.02.22	
				DRAWN	AK. MIURA	07.02.22	
				DRAWING NO.		ELC4-161939-01	
				PART NO.		DF1E-*S-2. 5C	
				CODE NO.		CL541	
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