

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	DF1B-*EP-2.5RC			
CURRENT	AWG20 TO 24 : 3 A AWG26 : 2 A AWG28 : 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							
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: 1000 MΩ MIN. 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→10 TO 15→30→10 TO 15 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	TY. OMA	06.11.01	
				CHECKED	HK. UMEHARA	06.11.01	
				DESIGNED	AH. MIYAZAKI	06.10.31	
				DRAWN	AK. MIIURA	06.10.27	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-162335-02			
HRS		SPECIFICATION SHEET	PART NO.	DF1B-*ES-2.5RC			
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541			
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