



**THE DATASHEET OF  
DF1B-2EP-2.5RC**



Jun.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		APPLICABLE CONNECTORS	DF1B- * ES-2.5RC(#)		
	CURRENT	AWG20 TO 24 : 3 A AWG26 : 2 A AWG28 : 1 A AWG30 : 0.5 A		UL · CSA RATING	VOLTAGE	AC 30V	
				CURRENT	AWG20-22 : 3A AWG24-28 : 1A AWG30 : 0.5A		
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 <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: 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 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	
△	1	DIS-H-005021		HT. SATO	HK. UMEHARA	10. 07. 22	
△ format change.				APPROVED	KJ. KATAYOSE	05. 01. 05	
				CHECKED	TY. OMA	05. 01. 05	
				DESIGNED	TS. KUMAZAWA	05. 01. 05	
				DRAWN	TS. KUMAZAWA	05. 01. 05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-160055-01	
<b>HRS</b>	SPECIFICATION SHEET			PART NO.	DF1B-*EP-2. 5RC		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL541	△	1/1

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View DF1B-2EP-2.5RC on WIN SOURCE](#)
-  [Hirose Electric Co Ltd Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management