






May.1.2023 Copyright 2023 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	-30 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS	DF1B(A)-(D)EP-2.5RC	
	CURRENT	1 A	OPERATING HUMIDITY RANGE	UL1061, AWG28	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		30 mΩ MAX.	X	-
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30 mΩ MAX. ② 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.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② 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.			X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→85→ 5 TO 35°C TIME 30 → 10 →30→ 10 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
 3	DIS-H-007346		MI. SAKIMURA	HK. UMEHARA	12.10.26
REMARKS			APPROVED	TS. SAKATA	09.02.06
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.			CHECKED	TS. KUMAZAWA	09.02.06
 (Delete)			DESIGNED	TH. YOSHI ZAWA	09.02.06
			DRAWN	TH. YOSHI ZAWA	09.02.06
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-080522-01
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF1B-28PRF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0670-0-00	 1/1