

Oct.1.2025 Copyright 2025 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.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
△					△						
△					△						
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C					
	VOLTAGE	250 V AC			APPLICABLE CONTACT	DF1B- * P-2.5DS(A)					
	CURRENT	AWG20-22	3A			DF1BA- * EP-2.5RC					
		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		650V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			x -			
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			① NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			x -			
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.			① NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			x -			
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						x -			
ENVIRONMENTAL CHARACTERISTICS											
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → +85 → 5~35 °C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.			① INSULATION RESISTANCE: 1000 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			x -			
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.			① INSULATION RESISTANCE: 1000 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			x -			
REMARKS											
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN		DESIGNED		CHECKED		APPROVED	
				<i>Y. Inoue</i>		<i>Y. Inoue</i>		<i>T. Miyazaki</i>		<i>K. Katayama</i>	
				'00.9.14		'00.9.14		'00.9.14		'00.9.18	
Unless otherwise specified, refer to MIL-STD-1344.											
Note QT:Qualification Test AT:Assurance Test x:Applicable Test											
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. DF1B- * S-2.5R			
CODE NO.(OLD) CL			DRAWING NO. ELC4-160017			PART NO. CL541			1 1		

