

Jul.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

<b>APPLICABLE STANDARD</b>			
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)	
	VOLTAGE	250 V AC	
	CURRENT	AWG20-22	3A
		AWG24-28	1A
AWG30		0.5A	
	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	APPLICABLE CONTACT	DF1B- * P-2.5DS(A) DF1BA- * EP-2.5RC	

**SPECIFICATIONS**

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>				
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	x	-
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	-
<b>MECHANICAL CHARACTERISTICS</b>				
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 <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① 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 → 5~35 → +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	-

<b>REMARKS</b> NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<b>DRAWN</b> <i>Y. Inoue</i> '00.9.14	<b>DESIGNED</b> <i>Y. Inoue</i> '00.9.14	<b>CHECKED</b> <i>T. Miyazaki</i> '00.9.14	<b>APPROVED</b> <i>K. Katayama</i> '00.9.18	<b>RELEASED</b>
---	---	--	--	---	-----------------

Unless otherwise specified, refer to MIL-STD-1344.  
 Note QT:Qualification Test AT:Assurance Test x:Applicable Test

<b>HS</b> LTD.	HIROSE ELECTRIC CO.,	<b>SPECIFICATION SHEET</b>	PART NO. DF1B- * S-2.5R
CODE NO.(OLD) CL	DRAWING NO. ELC4-160017	PART NO. CL541	1/1

TO

