

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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	—
	CURRENT	3 A	APPLICABLE CONNECTOR	DF1B-*DS-2.5RC
			APPLICABLE CABLE	—

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						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	—		
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	—		
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—		
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	50 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, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	X	—		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	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 CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 250°C, FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230±3 °C FOR INSERTION DURATION, 3 s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	—		
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		DRAWN M. Kurumashiki 03.03.14	DESIGNED T. Kurumazawa 03.03.14	CHECKED T. Miyazaki 03.03.14	APPROVED T. Miyazaki 03.03.14	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test						
HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF1B- * DP-2.5DS A (01)		
CODE NO.(OLD) CL	DRAWING NO. ELC4-071800-01	PART NO. CL541		1/1		

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