

	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		—			
	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	DESIGNED	CHECKED	APPROVED	RELEASED	
						M. Kurumashiki	T. Kurumazawa	T. Miyazaki	T. Miyazaki		
						03.03.14	03.03.14	03.03.14	03.03.14		
Unless otherwise specified, refer to MIL-STD-1344.											
Note QT:Qualification Test AT:Assurance Test X:Applicable Test											
HRS LTD.		HIROSE ELECTRIC CO.,				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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