

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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<b>APPLICABLE STANDARD</b>									
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	—			
<b>SPECIFICATIONS</b>									
ITEM	TEST METHOD			REQUIREMENTS			QT	AT	
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×	
MARKING	CONFIRMED VISUALLY.						×	×	
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).			30 mΩ MAX.			×	—	
INSULATION RESISTANCE	500 V DC.			1000 MΩ MIN.			×	—	
VOLTAGE PROOF	650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	—	
<b>MECHANICAL CHARACTERISTICS</b>									
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	—	
SHOCK	490 m/s <sup>2</sup> 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.			×	—	
<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 CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—	
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.			×	—	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 250°C, FOR IMMERSION, DURATION, 10 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×	—	
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.			×	—	
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.				M. kumagai 03.03.14	I. Kumagai 03.03.14	T. Miyazaki 03.03.14	T. Miyazaki 03.03.14		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HIROSE LTD.		HIROSE ELECTRIC CO.,			SPECIFICATION SHEET		PART NO. DF1B-* DP-2.5DSA(01)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-071800-01			PART NO. CL541				