

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
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APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
		-35 °C TO +85 °C(NOTE1)	-10 °C TO +60 °C
RATING		VOLTAGE	APPLICABLE CONTACT
		250 V AC	
		CURRENT	APPLICABLE CONNECTOR
		3 A	DF1B-#DS-2.5RC
			APPLICABLE CABLE

  

ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION		TEST METHOD	REQUIREMENTS	QT	AT
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		5 0 0 VDC.	1 0 0 0 MΩ MIN.	X	-
VOLTAGE PROOF		6 5 0 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 <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	X	-
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.	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 IMMERSUED.	X	-

  

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<i>M. Yamamoto</i>	<i>T. Kuroyama</i>	<i>T. Higashi</i>	<i>T. Higashi</i>	
Unless otherwise specified, refer to MIL-STD-1344.	03.03.14	03.03.14	03.03.14	03.03.14	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					

  

<b>HIROSE ELECTRIC CO., LTD.</b> SPECIFICATION SHEET PART NO. DF1B- * DP-2.5DSA(01)		DRAWING NO. ELC4-071800-01 PART NO. CL541	
CODE NO. (OLD)	CL		

  

TO	