

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD	
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
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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 VDC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	650V 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	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<i>M. Kurumadachi</i>	<i>T. Kurumazumi</i>	<i>T. Miyazaki</i>	<i>T. Miyazaki</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

HRS 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	1/1

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