

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C(NOTE1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C(NOTE3)			
	OPERATING HUMIDITY RANGE	40% TO 80%(NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70%(NOTE3)			
	VOLTAGE	AC 250V	APPLICABLE CONTACT	DF1B-*S-2.5R			
CURRENT	AWG20 TO 24: 3A AWG26: 2A AWG28: 1A AWG30: 0.5A						
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.					X	X
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mADC OR 1000HZ).		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, 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 NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2°C, 90 TO 95%, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.		X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →-5 TO 35 →+85→5 TO35°C TIME 30 → 10 → 30 → 10min UNDER 5 CYCLES.			③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
RESISTANCE TO SOLDERING HEAT	1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION,DURATION, 5 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 ±5°C FOR INSERTION DURATION, 3s.			SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.		X	-
REMARKS							
NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT.							
NOTE2:NO CONDENSING.							
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.							
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
Unless otherwise specified, refer to JIS C 5402.							
Note		QT:Qualification Test	AT:Assurance Test	X:Applicable Test			
HRS	SPECIFICATION SHEET		PART NO.	DF1B-*P-2.5DSA(01)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541		△	1/1
		DRAWING NO.	ELC4-071798-01				
		APPROVED	TY.OMA	06.08.06			
		CHECKED	HK.UMEHARA	06.08.06			
		DESIGNED	AH.MIYAZAKI	06.08.06			
		DRAWN	AK.MIURA	06.08.06			