

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.						
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mADC OR 1000HZ).	30 mΩ MAX.					
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.					
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.					
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTATIONS.		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.							
			APPROVED	TY. OMA	06.08.06		
			CHECKED	HK. UMEHARA	06.08.06		
			DESIGNED	AH. MIYAZAKI	06.08.06		
			DRAWN	AK. MIIURA	06.08.06		
Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	DRAWING NO.	ELC4-071798-01		
HRS	SPECIFICATION SHEET		PART NO.	DF1B-*P-2.5DSA(01)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541			
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