

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
OPERATING TEMPERATURE RANGE	-30°C T0 + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C T0 + 60°C (NOTE 3)				
OPERATING HUMIDITY RANGE	40% T0 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% T0 70% (NOTE 3)				
RATING							
VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF3-*S-2C				
CURRENT	3A						
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.						
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30mΩ MAX.				X	-
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.				X	-
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.				X	-
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30mΩ 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 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X	-
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. 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 :2sec. NO STRENGTH ON CONTACT.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3sec.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.		X	-
REMARKS							
NOTE 1: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 PCBBOARD. OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.							
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
		D1S-H-000745					
Unless otherwise specified, refer to JIS C 5402.							
Note Q.T:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-162184-04			
HRS		SPECIFICATION SHEET		PART NO.		DF3A-*P-2DSA	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL543	
				APPROVED		TY. OMA	
				CHECKED		HK. UMEHARA	
		DESIGNED		TS. KUMAZAWA		06.08.29	
		DRAWN		AK. MUIRA		06.08.29	