

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	-30 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(NOTE2)				
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS	DF1- * P-2.5DS, DF1- * P-2.5DSA				
	CURRENT	AWG28 1A	OPERATING HUMIDITY RANGE	UL1007, AWG28				
SPECIFICATIONS								
ITEM	TEST METHOD			REQUIREMENTS				
CONSTRUCTION			GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.					ACCORDING TO DRAWING.
MARKING	CONFIRMED VISUALLY.							
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	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		30 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. 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 TIME	-55 → 5 TO 35 → 85 → 5 TO 35 °C 30 → 10 → 30 → 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ 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: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-		
REMARKS								
NOTE1: INCLUDING THE TEMPERATURE RISING BY CURRENT. FOR UNUSED PRODUCTS								
NOTE2: APPLY TO THE CONDITION OF LONG TERM STORAGE BEFORE PCB ON BOARD AFTER PCBBOARD. OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.								
Unless otherwise specified, refer to JIS C 5402.								
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
				APPROVED	TY. OMA	05.12.22		
				CHECKED	HK. UMEHARA	05.12.21		
				DESIGNED	NS. HIROSE	05.12.21		
				DRAWN	AK. MUIRA	05.12.20		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-162346-01				
HRS		SPECIFICATION SHEET	PART NO.	DF1-*S-2.5R28 (05)				
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541				
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