

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	AWG24	OPERATING HUMIDITY RANGE	UL1007, AWG24			
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
GENERAL EXAMINATION	CONFIRMED VISUALLY.						
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		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		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 2h, 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 -55 →5 TO 35 →85 →5 TO 35 °C TIME 30 → 10 → 30 → 10 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩMIN. 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 -		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
Δ							
REMARKS							
NOTE 1: INCLUDING THE TEMPERATURE RISING BY CURRENT.							
Unless otherwise specified, refer to MIL-STD-1344.							
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-162345-01			
HRS		APPROVED	TY. OMA	05.08.11			
		CHECKED	HK. UMEHARA	05.08.11			
		DESIGNED	IO. DENPOUYA	05.08.11			
		DRAWN	MK. MATSUO	05.08.08			
SPECIFICATION SHEET		PART NO.	DF1-*S-2.5R24 (05)				
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543				
					Δ 1/		