

APPLICABLE STANDARD							
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	3A	OPERATING HUMIDITY RANGE	UL1007, AWG24		
SPECIFICATIONS							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X	
MARKING	CONFIRMED VISUALLY.				X	X	
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 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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		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 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	-	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE
							
REMARKS NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to MIL-STD-1344.					APPROVED	TY.OMA	05.08.11
					CHECKED	HK.UMEHARA	05.08.11
					DESIGNED	IO.DENPOUYA	05.08.11
					DRAWN	MK.MATSUO	05.08.08
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-162345-01	
	SPECIFICATION SHEET			PART NO.	DF1-*S-2. 5R24 (05)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL543		 1/