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 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

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.				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
	△					
REMARKS				APPROVED	TY. OMA	05.08.11
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.				CHECKED	HK. UMEHARA	05.08.11
Unless otherwise specified, refer to MIL-STD-1344.				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
<b>HRS</b>	SPECIFICATION SHEET			PART NO.	DF1-*S-2. 5R24 (05)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL543	△ 1/