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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	AWG28	1A	OPERATING HUMIDITY RANGE	UL1007,AWG28	
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 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 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. NOTE2: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.						
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.MIURA	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	△	1/