

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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE		-10 °C TO +60 °C(NOTE2)	
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C(NOTE1)		TEMPERATURE RANGE	
VOLTAGE	250 V AC	APPLICABLE CONNECTORS		DF1- * P-2.5DS, DF1- * P-2.5DSA	
CURRENT	AWG28	1A	OPERATING HUMIDITY RANGE		UL1007, AWG28
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>			GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.		
MARKING			CONFIRMED VISUALLY.		
<b>ELECTRIC CHARACTERISTICS</b>					
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	-
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRactions.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	
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.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE 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	-
<b>REMARKS</b>					
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
				CHECKED	HK, UMEHARA
				DESIGNED	NS, HIROSE
				DRAWN	AK, MUIRA
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-162346-01	
<b>HRS</b>		SPECIFICATION SHEET	PART NO.	DF1-*S-2.5R28 (05)	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL541	△