

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

APPLICABLE STANDARD		-35°C T0 +85°C (NOTE 1)		STORAGE TEMPERATURE RANGE		-10°C T0 + 60°C	
RATING	OPERATING TEMPERATURE RANGE						
	VOLTAGE	50V AC		APPLICABLE CONNECTOR		DF23C-14DS-0.5V(53)	
	CURRENT	0.3A					
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION				GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.			
MARKING		CONFIRMED VISUALLY.				X X X	
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		100m A (DC OR 1000 Hz).		60mΩ MAX.		X -	
INSULATION RESISTANCE		100V DC.		500MΩ MIN.		X -	
VOLTAGE PROOF		150V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X -	
MECHANICAL CHARACTERISTICS							
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 24 N MAX. EXTRACTION FORCE: 2.1 N MIN.		X -	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRactions.		① CONTACT RESISTANCE: 60mΩ MAX. ② NO DAMAGE, CRACK AND 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 1μs PARTS. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -	
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs PARTS. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -	
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35°C TIME 30→10 TO 15→ 30→10T015min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -	
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		X -	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.		X -	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△							
REMARKS							
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.							
UNLESS OTHERWISE SPECIFIED,REFER TO IEC60512							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-163722-04			
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		DF23C-14DP-0.5V(91)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL688-0800-5-91	
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