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

DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS		BY	CHKD	DATE	
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	- 3 5 °C TO 8 5 °C(NOTE1)				STORAGE TEMPERATURE RANGE	- 1 0 °C TO 6 0 °C				
	VOLTAGE	5 0 V A C				APPLICABLE CONNECTOR	DF23C-12DS-0.5V(53)				
	CURRENT	0. 3 A									
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
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).				60 mΩ MAX.				X	—
INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.				X	—
VOLTAGE PROOF		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				X	—
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 60 mΩ 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 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				X	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				X	—
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE: -55→ 5 TO 35→85→ 5 TO 35 °C TIME: 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 500 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	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					T.Yamamoto '03. 8.25	T.Yamamoto '03. 8.25	K.Ahijama '03.8.25	K.Ahijama '03.8.25			
Unless otherwise specified, refer to IEC60512											
Note QT: Qualification Test AT: Assurance Test x: Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.			
					DF23C-12DP-0.5V(91)						
CODE NO.(OLD)			DRAWING NO.			CODE NO.			1		
CL			E L C 4 - 3 0 2 6 8 9 - 0 1			C L 6 8 8 - 0 8 0 9 - 0 - 9 1			1		

