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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	- 35 °C TO 85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	- 10 °C TO 60 °C				
	VOLTAGE	50 V A C			APPLICABLE CONNECTOR	DF23A/C-*DP-0.5V				
	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										
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.					J. Goi	J. Goi	S. Tashiro	K. Katayama		
					'01.3.14	'01.3.14	'01.3.16	'01.3.16		
Note QT: Qualification Test AT: Assurance Test x: Applicable Test										
HS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.		
CL					E L C 4 - 1 6 3 5 4 3 - 0 1			DF23C-*DS-0.5V(51)		
CODE NO.(OLD)					DRAWING NO			CODE NO.		
CL					E L C 4 - 1 6 3 5 4 3 - 0 1			C L 6 8 8 -		
								1		
								1		

