



**THE DATASHEET OF  
DF23C-60DS-0.5V(51)**



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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
△					△					
△					△					
<b>APPLICABLE STANDARD</b>										
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	DF23A/C-*DP-0.5V				
	CURRENT	0. 3 A								
<b>SPECIFICATIONS</b>										
ITEM		TEST METHOD			REQUIREMENTS			QT	AT	
<b>CONSTRUCTION</b>										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			x	x	
MARKING		CONFIRMED VISUALLY.						x	x	
<b>ELECTRICAL CHARACTERISTICS</b>										
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	-	
<b>MECHANICAL CHARACTERISTICS</b>										
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 <sup>2</sup> 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	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>										
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	-	
<b>REMARKS</b>										
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
Unless otherwise specified, refer to MIL-STD-1344.				J. Goi '01.3.14	J. Goi '01.3.14	S. Tashiro '01.3.16	K. Katayama '01.3.16			
Note QT: Qualification Test AT: Assurance Test x: Applicable Test										
<b>HS</b> HIROSE ELECTRIC CO., LTD.				<b>SPECIFICATION SHEET</b>			PART NO. DF23C-*DS-0.5V(51)			
CODE NO.(OLD) CL			DRAWING NO ELC4-163543-01			CODE NO. CL688-			1 1	



## Looking for pricing, stock, or lifecycle information?

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