

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	OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
	- 3 5 °C TO 8 5 °C(NOTE1)	- 1 0 °C TO 6 0 °C
RATING VOLTAGE	5 0 V A C	DF23A/C-40DS-0.5V
CURRENT	0. 3 A	

  

SPECIFICATIONS		
ITEM	TEST METHOD	REQUIREMENTS
CONSTRUCTION		
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.
MARKING	CONFIRMED VISUALLY.	
ELECTRICAL CHARACTERISTICS		
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 mΩ MAX.
INSULATION RESISTANCE	100 V D.C.	500 MΩ MIN.
VOLTAGE PROOF	150 V A C FOR 1 min.	NO FLASHOVER OR BREAKDOWN.
MECHANICAL CHARACTERISTICS		
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 50 N MAX. EXTRACTION FORCE: 6.0 N MIN.
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND 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 AND LOOSENESS, OF PARTS.
SHOCK	480 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.
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.
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.
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.

  

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	F. Matsuki 04.01.15	<i>Tyamoto</i> 04.1.15	<i>T. Sebata</i> 04.1.16	<i>T. Sebata</i> 04.1.16	
Unless otherwise specified, refer to IEC 60512.					

  

<b>HRS</b> HIROSE ELECTRIC CO., LTD. CODE NO.(OLD) <b>CL</b>	DRAWING NO. <b>ELC4-164005-02</b>	SPECIFICATION SHEET CODE NO. <b>CL688-0803-3-92</b>	PART NO. <b>DF23C-40DP-0.5V(92)</b>
---	--------------------------------------	--	--

  

TO	

  

1	1
---	---

  

FORM No.231-1

