

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- <i>*DP</i> -0.5V
CURRENT		0. 3 A	

  

SPECIFICATIONS		REQUIREMENTS	QT	AT
ITEM	TEST METHOD			
CONSTRUCTION		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	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.		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 -

  

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<i>T.ger</i>	<i>T.ger</i>	<i>W.M'</i>	<i>K.Katayama</i>	
Unless otherwise specified, refer to MIL-STD-1344.	'01.5.26	'01.5.26	'01.5.31	'01.5.31	

Note QT: Qualification Test AT: Assurance Test X: Applicable Test

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.
CL	DRAWING NO. E L C 4 - 1 6 3 5 4 3 - 0 3	DF23C- <i>*DS</i> -0.5V(53)
	CODE NO. C L 6 8 8 -	

FORM NO.231-1

