

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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD			
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾
RATING VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %
CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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). 45 mΩ MAX. X X

CONTACT RESISTANCE 20 mV MAX, 1 mA(DC OR 1000Hz) 55 mΩ MAX. X X

MILLIVOLT LEVEL METHOD 250 V DC. 100 MΩ MIN. X X

INSULATION RESISTANCE 250 V DC. 100 MΩ MIN. X X

VOLTAGE PROOF 300 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X X

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION 500 TIMES INSERTIONS AND EXTRactions. ① CONTACT RESISTANCE: 55 mΩ MAX. X

VIBRATION FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2 h FOR 3 DIRECTION. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

SHOCK 490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. ① NO ELECTRICAL DISCONTINUITY OF 1 μs. X

ENVIRONMENTAL CHARACTERISTICS ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

DAMP HEAT (STEADY STATE) EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. ① CONTACT RESISTANCE: 55 mΩ MAX. X

RAPID CHANGE OF TEMPERATURE TEMPERATURE:-55→+15~+35→+85→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES. ② INSULATION RESISTANCE: 100 MΩ MIN. X

CORROSION SALT MIST EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

HYDROGEN SULPHIDE EXPOSED IN 3 PPM FOR 96 h. ① CONTACT RESISTANCE: 55 mΩ MAX. X

RESISTANCE TO SOLDERING HEAT ② NO HEAVY CORROSION. X

SOLDERABILITY ① SOLDER BATH: SOLDER TEMPERATURE: 260±5°C FOR IMMERSION, DURATION, 10±1s. NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. X

② SOLDERING IRONS : 360°C FOR 5 s. X

SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 2s. A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. X

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. 2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. 3) * INDICATES THE NUMBER OF CONTACTS.	A.SUZUKAWA	<i>K. Sato</i>	<i>N. Ohyanagi</i>	<i>N. Ohyanagi</i>	
Unless otherwise specified, refer to MIL-STD-1344.	05.03.24	05.03.25	05.03.25	05.03.25	

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

TO	PCK	
<p>HRS HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET</p>		
CODE NO. (OLD)	DRAWING NO.	PART NO.
CL	ELC4 - 083294-21	FX2-**-P-1. 27DSL (71)
		CL 572
		1 / 1

