

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
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△					△				

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

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.

MARKING CONFIRMED VISUALLY.

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE 100 mA (DC OR 1000 Hz). 45 mΩ MAX.

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

MILLIVOLT LEVEL

METHOD 250 V DC. 100 MΩ MIN.

INSULATION RESISTANCE 250 V DC.

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

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION 500 TIMES INSERTIONS AND EXTRACTATIONS.

VIBRATION FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, AT 2 h FOR 3 DIRECTION.

SHOCK 490 m/s<sup>2</sup>, DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE) EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.

RAPID CHANGE OF TEMPERATURE TEMPERATURE:55→+15→+35→+85→+15→+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.

CORROSION SALT MIST EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.

HYDROGEN SULPHIDE EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)

RESISTANCE TO SOLDERING HEAT 1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s.

SOLDERABILITY 2) SOLDERING IRONS : 360°C FOR 5 s.

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 IMMERSSED.

REMARKS

1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED.

2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.

Unless otherwise specified, refer to MIL-STD-1344.

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

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	I.OKAYAMA	K.NAKAMURA	<i>H. Okawa</i>	<i>H. Okawa</i>	
	04.06.11	04.06.11	04.06.14	04.06.14	

CODE NO.(OLD) CL DRAWING NO. ELC4 - 082283-21 CODE NO. CL 572 PART NO. FX2B-\*\*P-1. 27DS (71)

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