

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

ETO
PCK

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⁾
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 X

MARKING CONFIRMED VISUALLY. X X

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).	45 mΩ MAX.	X	
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000HZ)	55 mΩ MAX.	X	
MILLIVOLT LEVEL METHOD				
INSULATION RESISTANCE	250 V DC.	100 MΩ MIN.	X	
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRactions.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	
VIBRATION	FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.52 mm, AT 2 h FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.	X	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55→+15~+35→+85→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	
CORROSION SALT MIST	UNDER 5 CYCLES. EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.	X	
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		X	
RESISTANCE TO SOLDERING HEAT	①) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. ②) SOLDERING IRONS : 360°C FOR 5 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	X	
SOLDERABILITY	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.	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. Unless otherwise specified, refer to MIL-STD-1344.	IOKAYAMA 04.06.11	KNAKAMURA 04.06.11	<i>H Okawa</i> 07.06.14	<i>H Okawa</i> 07.06.14	

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

CODE NO. (OLD)	DRAWING NO.	SPECIFICATION SHEET	PART NO.
CL	ELC4 - 151043-21		FX2B-**PA-1. 27DSAL (71)
			CL 572
			FORM No.231-1

