

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

TO  
PCK

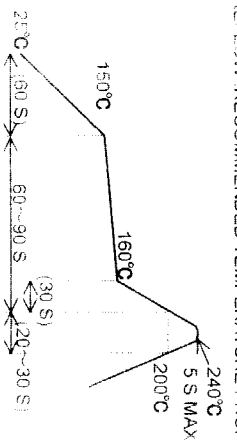
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	JM	MA	99.7.29					

**SPECIFICATIONS**

APPLICATION STANDARD	OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE	RELATIVE HUMIDITY (NO DEW CONDENSATION IS PERMITTED)
	-55 °C TO 85 °C		-10 °C TO 60 °C
RATING	VOLTAGE AC 50 V	OPERATING HUMIDITY RANGE	
	CURRENT 0.3 A		

ITEM	TEST METHOD	REQUIREMENT	QT/AT
CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	○/○
GENERAL EXAMINATION	CONFIRMED VISUALLY.		○/○
MARKING			○/○
ELECTRICAL CHARACTERISTICS			
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 mΩ MAX	○/○
INSULATION RESISTANCE	100 V DC	100 MΩ MIN	○/○
VOLTAGE PROOF	150 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN	○/○
MECHANICAL CHARACTERISTICS			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE 40.8 N MAX WITHDRAWAL FORCE 1.7 N MIN.	○/○
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRactions.	1) CONTACT RESISTANCE: 70 mΩ MAX 2) NO DAMAGE, CRACK AND LOOSENESS OF PART	○/○
VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm, ... m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 st S MIN 2) NO DAMAGE, CRACK AND LOOSENESS OF PART	○/○
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS	2) NO DAMAGE, CRACK AND LOOSENESS OF PART	○/○

ENVIRONMENTAL CHARACTERISTICS	TEST METHOD	REQUIREMENT	QT/AT
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART	○/○
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55→-15→35→85→15→35°C TIME: 30→2~3→30→2~3 min. UNDER 5 CYCLES.		○/○
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE CRACK AND LOOSENESS OF PART	○/○
COLD	EXPOSED AT -55 °C, 96 h		○/○
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h	NO HEAVY CORROSION	○/○
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION	○/○
RESISTANCE TO SOLDERING HEAT	REFLOW: RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	○/○



SOLDERABILITY	TEST METHOD	REQUIREMENT	QT/AT
	TO BE TESTED UNDER THE ABOVE CONDITIONS SOLDERED AT SOLDER TEMPERATURE: 235 °C FOR IMMERSION DURATION: 2 s	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE	○/○

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	S Kitajima 99.05.25	J Matsukawa 99.05.25	M Ishida 99.05.26	Y Yoshimura 99.05.27	

NOTE	QT	QUALIFICATION TEST	AT	ASSURANCE TEST	O	APPLICABLE TEST

CODE NO.(CLD)	DRAWING NO	CODE NO	PART NO.
CL	ELC4 - 152104	CL 573 - 0052 - 5	FX11LB - 68P - SV

