

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

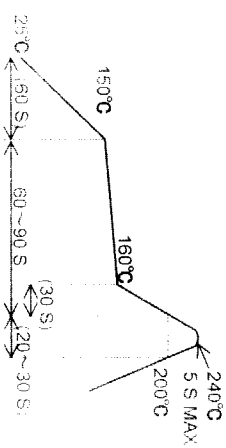
TO
PCK

△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1	RE-F-06478	J.M	M	99.7.29					

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	Q/T	A/T
APPLICATION STANDARD				
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C	
RATING VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 95% MAX (NO DEW CONDENSATION IS PERMITTED)	
CURRENT	0.3 A			
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWINGS		
MARKING	CONFIRMED VISUALLY			
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: 84 N MAX WITHDRAWAL FORCE: 3.5 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 ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF PART 2) NO DAMAGE, CRACK AND LOOSENESS OF PART		
SHOCK	490 m/s ² 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	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	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		
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REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		S. Kitajima 99.05.25	J. Matsukawa 99.05.25	M. Ishida 99.05.26	Y. Yoshimura 99.05.27	

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.
NOTE: Q/T: QUALIFICATION TEST AT ASSURANCE TEST O: APPLICABLE TEST

CODE NO. (OLD)	DRAWING NO.	CODE NO.	PART NO.
CL	ELC4 - 152107 -	CL 573 - 0055 - 3	FX11LB - 140P - SV

