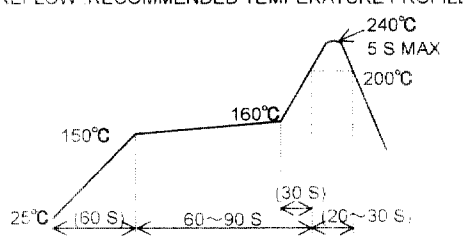


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

△	△	△	△	△	△	△	△	△	△	△	△
△	△	△	△	△	△	△	△	△	△	△	△
1	RE-F-06478	J.M	M.S	99.7.29							
APPLICATION STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C				STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C				
	VOLTAGE	AC 50 V				OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)				
	CURRENT	0.3 A									
SPECIFICATIONS											
ITEM		TEST METHOD				REQUIREMENT				QT	AT
CONSTRUCTION											
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				○	○
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: 69.6 N MAX WITHDRAWAL FORCE: 2.9 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 1 μs MIN. 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.				○	—
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -55→15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.				3)NO DAMAGE, CRACK AND LOOSENESS OF PART.				○	—
DRY HEAT		EXPOSED AT 85 °C, 96 h.				1)CONTACT RESISTANCE: 70 mΩ MAX				○	—
COLD		EXPOSED AT -55 °C, 96 h.				2)NO DAMAGE, CRACK AND LOOSENESS OF PART.					
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  25°C (60 S) 150°C 160°C (30 S) 200°C 240°C 5 S MAX 60~90 S 120~30 S				NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.				○	—
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.				NO PINHOLE OR DEWETTING ON SOLDERED SURFACE				○	—
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 OTERWISE SPECIFIED ,REFER TO JIS C 5402.											
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○ APPLICABLE TEST											
HRS		HIROSE ELECTRIC CO. LTD.				SPECIFICATION SHEET				PART NO. FX11LA - 116P - SV	
CODE NO.(OLD)		DRAWING NO				CODE NO				1	
CL		ELC4 - 152102 -				CL 573 - 0044 -7				1	

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