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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
△	1	RE-F-06478	J.M	m.l	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: 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 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		TEMPERATURE -55→15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3min. 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 ← (160 S) → 150°C → (60~90 S) → 160°C → (30 S) → 240°C (5 S MAX) → 200°C TO BE TESTED UNDER THE ABOVE CONDITIONS.				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 - 68P - SV					
CODE NO.(OLD)		DRAWING NO			CODE NO					1	
CL		ELC4 - 152100 -			CL 573 - 0042 - 1					1	

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