

DESCRIPTION OF REVISIONS				BY	CHKD	DATE	DESCRIPTION OF REVISIONS				BY	CHKD	DATE
1	RE-F-06478	J M	<i>ml 99.7.29</i>										
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				O	O			
MARKING	CONFIRMED VISUALLY								O	O			
ELECTRICAL CHARACTERISTICS													
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)				60 mΩ MAX				O	O			
INSULATION RESISTANCE	100 V DC				100 MΩ MIN				O	-			
VOLTAGE PROOF	150 V AC FOR 1 min				NO FLASHOVER OR BREAKDOWN				O	O			
MECHANICAL CHARACTERISTICS													
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR				INSERTION FORCE 69.6 N MAX WITHDRAWAL FORCE 2.9 N MIN				O	-			
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS				1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART				O	-			
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				O	-			
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS								O	-			
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.				O	-			
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				O	-			
DRY HEAT	EXPOSED AT 85 °C, 96 h.				1) CONTACT RESISTANCE: 70 mΩ MAX				O	-			
COLD	EXPOSED AT -55 °C, 96 h.				2) NO DAMAGE, CRACK AND LOOSENESS OF PART				O	-			
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.				NO HEAVY CORROSION				O	-			
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)				1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION				O	-			
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE TO BE TESTED UNDER THE ABOVE CONDITIONS				NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT				O	-			
SOLDABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.				NO PINHOLE OR DEWETTING ON SOLDERED SURFACE				O	-			
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED				
UNLESS OTERWISE 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													
HRS HIROSE ELECTRIC CO. LTD.				SPECIFICATION SHEET				PART NO. FX11LA - 116P - SV					
CODE NO.(OLD) CL		DRAWING NO ELC4 - 152102 -			CODE NO CL 573 - 0044 - 7			1 1					