

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1 RE-F-06478	J.M	m.2	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).			70 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: 48 N MAX WITHDRAWAL FORCE: 2 N MIN.			○ -	
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.			1)CONTACT RESISTANCE: 80 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: 80 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~ 3min. UNDER 5 CYCLES.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			○ -	
DRY HEAT		EXPOSED AT 85 °C, 96 h.			1)CONTACT RESISTANCE: 80 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: 80 mΩ MAX. 2)NO HEAVY CORROSION.			○ -	
RESISTANCE TO SOLDERING HEAT		REFLOW RECOMMENDED TEMPERATURE PROFILE 25°C (60 S) 150°C 160°C (30 S) 240°C 5 S MAX 200°C 60~90 S (20~30 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	
				J. Matsukawa 99.06.07	J. Matsukawa 99.06.07	M.Ishida 99.06.07	Y.Yoshimura 99.06.08		
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.		
				FX11A - 80P - SV					
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1		1	
CL		ELC4 - 152439 -		CL 573 - 0548 - 0 -					

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