

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	M.0	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			<input type="radio"/>	<input type="radio"/>	
MARKING	CONFIRMED VISUALLY.						<input type="radio"/>	<input type="radio"/>	
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).			60 mΩ MAX.			<input type="radio"/>	<input type="radio"/>	
INSULATION RESISTANCE	100 V DC.			100 MΩ MIN.			<input type="radio"/>	<input type="radio"/>	
VOLTAGE PROOF	150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN			<input type="radio"/>	<input type="radio"/>	
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 84 N MAX WITHDRAWAL FORCE: 3.5 N MIN.			<input type="radio"/>	<input type="radio"/>	
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			<input type="radio"/>	<input type="radio"/>	
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.			<input type="radio"/>	<input type="radio"/>	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						<input type="radio"/>	<input type="radio"/>	
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.			<input type="radio"/>	<input type="radio"/>	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -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.			<input type="radio"/>	<input type="radio"/>	
DRY HEAT	EXPOSED AT 85 °C, 96 h.			1) CONTACT RESISTANCE: 70 mΩ MAX.			<input type="radio"/>	<input type="radio"/>	
COLD	EXPOSED AT -55 °C, 96 h.			2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			<input type="radio"/>	<input type="radio"/>	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			<input type="radio"/>	<input type="radio"/>	
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.			<input type="radio"/>	<input type="radio"/>	
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.			<input type="radio"/>	<input type="radio"/>	
SOLDABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.			<input type="radio"/>	<input type="radio"/>	
REMARKS UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST <input type="radio"/> APPLICABLE TEST									
HS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET			PART NO FX11LA - 140P - SV				
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 152103 -			CODE NO. CL 573 - 0045 -0				

TO
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