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

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APPLICATION STANDARD																				
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C					STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C											
RATING	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					X		X					
MARKING			CONFIRMED VISUALLY.										X		X					
ELECTRICAL CHARACTERISTICS																				
CONTACT RESISTANCE			100 mA (DC OR 1000 Hz).					60 mΩ MAX.					X		X					
INSULATION RESISTANCE			100 V DC.					100 MΩ MIN.					X		-					
VOLTAGE PROOF			150 V AC FOR 1 min.					NO FLASHOVER OR BREAKDOWN.					X		X					
MECHANICAL CHARACTERISTICS																				
INSERTION AND WITHDRAWAL FORCES			MEASURED BY APPLICABLE CONNECTOR.					INSERTION FORCE: 84 N MAX WITHDRAWAL FORCE: 3.5 N MIN.					X		-					
MECHANICAL OPERATION			50 TIMES INSERTION AND EXTRACTIONS.					1)CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.					X		-					
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.					X		-					
SHOCK			490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.										X		-					
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.					X		-					
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.					X		-					
DRY HEAT			EXPOSED AT 85 °C, 96 h.					1)CONTACT RESISTANCE: 70 mΩ MAX.					X		-					
COLD			EXPOSED AT -55 °C, 96 h.					2)NO DAMAGE, CRACK AND LOOSENESS OF PART.					X		-					
CORROSION SALT MIST			EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.					NO HEAVY CORROSION.					X		-					
SULPHUR DIOXIDE			EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JIS C 0090)					1)CONTACT RESISTANCE: 70 mΩ MAX. 2)NO HEAVY CORROSION.					X		-					
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.					X		-					
SOLDRABILITY			SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.					NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.					X		-					
REMARKS										DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED		
										<i>M. Takahashi</i> 99.10.27		<i>M. Takahashi</i> 99.10.27		<i>M. Sakata</i> 99.10.28		<i>T. Yamamura</i> 99.10.28				
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.																				
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST																				
HS HIROSE ELECTRIC CO.,LTD.										SPECIFICATION SHEET					PART NO. FX11LA - 140P - SV (22)					
CODE NO.(OLD) CL			DRAWING NO. ELC4 - 152103 - 02					CODE NO. CL 573 - 0045 - 0 - 22					1		1					

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