

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
△										
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					
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: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN.					
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTATIONS.				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.				X					
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. 3)NO DAMAGE, CRACK AND LOOSENESS OF PART.					
RAPID CHAGE OF TEMPERATURE	TEMPERATURE: -55→-15~35→85→15~35°C TIME 30→2~3→30→2~3 min. UNDER 5 CYCLES.				X					
DRY HEAT	EXPOSED AT 85 °C, 96 h.				1)CONTACT RESISTANCE: 80 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.					
COLD	EXPOSED AT -55 °C, 96 h.				X					
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				NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT					
<p>25°C (160 S) → 60~90 S → (30 S) → 120~30 S → 240°C 5 S MAX → 200°C</p>										
SOLDERABILITY	TO BE TESTED UNDER THE ABOVE CONDITIONS. SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s				NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.					
REMARKS										
DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED		
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.		00.01.15		00.01.15		00.01.17		00.01.17		
NOTE QT: QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST										
HRS HIROSE ELECTRIC CO. LTD.		SPECIFICATION SHEET		PART NO.		FX11B - 100P - SV0.5 (21)				
CODE NO. (OLD)		DRAWING NO		CODE NO						
CL		ELC4 - 152628 - 01		CL 573 - 0653 - 5 - 21		1				

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