

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE				
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<b>APPLICATION STANDARD</b>													
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											
<b>SPECIFICATIONS</b>													
ITEM		TEST METHOD			REQUIREMENT			QT	AT				
<b>CONSTRUCTION</b>													
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X	X				
MARKING		CONFIRMED VISUALLY.						X	X				
<b>ELECTRICAL CHARACTERISTICS</b>													
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			70 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				
<b>MECHANICAL CHARACTERISTICS</b>													
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN.			X	—				
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 80 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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						X	—				
<b>ENVIRONMENTAL CHARACTERISTICS</b>													
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.			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: 80 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: 80 mΩ MAX. 2) NO HEAVY CORROSION.			X	—				
RESISTANCE TO SOLDERING HEAT		REFLOW RECOMMENDED TEMPERATURE PROFILE <p>25°C (60 S) 150°C 160°C (30 S) 240°C 5 S MAX 200°C (20~30 S)</p> <p>TO BE TESTED UNDER THE ABOVE CONDITIONS.</p>			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	
				 00.01.15		 00.01.15		 00.01.17		 00.01.17			
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.													
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST													
<b>HRS</b> HIROSE ELECTRIC CO. LTD.				<b>SPECIFICATION SHEET</b>				PART NO. <b>FX11B - 100P - SV0.5 (21)</b>					
CODE NO. (OLD)				DRAWING NO.				CODE NO.				1	
CL				ELC4 - 152628 - 01				CL 573 - 0653 - 5 - 21				1	

DRAWING FOR REFERENCE: This is subject to change without notice  
08/11/2012

TO  
PCK