

TO
PCK

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			APPLICABLE CABLE	AWG # 28			
	VOLTAGE	125 V AC							
	CURRENT	0.5 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)			45 mΩ MAX.		X		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX. 1 mA (DC OR 1000 Hz)			55 mΩ MAX.		X		
INSULATION RESISTANCE		250 V DC			100 MΩ MIN.		X		
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN		X		
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE : 88N MAX WITHDRAWAL FORCE : 9.8N MIN		X		
MECHANICAL OPERATION		500 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		X		
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.76 mm, AT 2 h FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs 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: 55 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.		X		
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→ +85→+15~+35°C TIME 30→ 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		X		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO HEAVY CORROSION.		X		
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)					X		
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				S.KITAJIMA 04.05.27	K. Doi 04.06.03	H. Yamaguchi 04.06.03	H. Okawa 04.06.03		
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HS		HIROSE ELECTRIC CO.,LTD.			SPECIFICATION SHEET		PART NO. FX2B - 100SA - 1.27R		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4 - 150617			CL 572 - 0628 - 1			1	