




APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	125 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %		
	CURRENT	0.5 A		STRAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾		
	APPLICABLE CABLE	AWG #28 (JACKET SIZE : 0.9±0.1mm)					
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.				×	×
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		45 mΩ MAX .		×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)		55 mΩ MAX .		×	—
INSULATION RESISTANCE		250 V DC		100 MΩ MIN.		×	—
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×	—
MECHANICAL CHARACTERISTICS							
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 18 N MAX. WITHDRAWAL FORCE: 2.0 N MIN.		×	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 0.76 mm, AT 2 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				×	—
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.		×	—
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 PARTS.		×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.		×	—
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)				×	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
							
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.				APPROVED	HS. OKAWA	07.11.02	
				CHECKED	HS. OZAWA	07.11.02	
				DESIGNED	SY. KAMIGA	07.11.02	
				DRAWN	SY. KAMIGA	07.11.02	
Unless otherwise specified, refer to MIL-STD-1344.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-151100-00	
	SPECIFICATION SHEET			PART NO.		FX2BM-20SA-1. 27R	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL572-0631-6-00	 1/1