

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⁾		
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			x	x
MARKING		CONFIRMED VISUALLY.						x	x
ELECTRIC 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 1000Hz)			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: 70.5 N MAX. WITHDRAWAL FORCE: 7.9 N MIN.			x	—
MECHANICAL OPERATION		300 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.52 mm, 2 h IN 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 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. 5 CYCLES.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			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	—
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240±3°C,FOR IMMERSION DURATION, 2 sec.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			x	—
	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		07.08.06
					CHECKED		HS. OZAWA		07.08.06
					DESIGNED		SY. KAMIGA		07.08.06
					DRAWN		HK. SUNADORI		07.08.06
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC4-082959-21		
HRS		SPECIFICATION SHEET			PART NO.		FX4C-80S-1. 27DSA (71)		
		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL574-0107-1-71		△