

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	
CONSTRUCTION				QT	AT
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
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.	
MECHANICAL CHARACTERISTICS					
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	08.06.26
			CHECKED	HT. YAMAGUCHI	08.06.25
			DESIGNED	SY. KAMIGA	08.06.23
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	HK. SUNADORI	08.06.20
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-082919-21
HRS	SPECIFICATION SHEET		PART NO.	FX4C-32P-1. 27DSAL (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL574-0052-1-71	△ 1/1