

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					
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.	X -
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		500 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, AT 2 h FOR 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 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 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) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, ±3°C, FOR IMMERSION DURATION, 2 s.		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
Δ					
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	06.03.07
			CHECKED	HS.OZAWA	06.03.07
			DESIGNED	KY.NAKAMURA	06.03.07
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	AK.SUZUKAWA	06.03.07
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-082754-21
			PART NO.	FX2-32P-1. 27SVL (71)	
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL572-2052-0-71	Δ 1/1