

COUNT		DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT		DESCRIPTION OF REVISIONS		BY	CHKD	DATE
△							△						
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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			STORAGE 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	
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 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 DIRECTION.					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) 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 TERMINAL.					X		
SOLDABILITY	SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 2s.					A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.					X		
REMARKS													
1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. 2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.						DRAWN I.OKAYAMA 04.06.09	DESIGNED K.NAKAMURA 04.06.09	CHECKED H.Okawa 04.06.09	APPROVED H.Okawa 04.06.09	RELEASED			
Unless otherwise specified, refer to MIL-STD-1344.													
Note QT:Qualification Test AT:Assurance Test X:Applicable Test													
HIROSE HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET					PART NO. FX2C1-**P-1. 27DSA (71)						
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 083047-21			CODE NO. CL 572			1 1					

