

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾
	VOLTAGE	100 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.	×	×		
MARKING	CONFIRMED VISUALLY.		×	×		
ELECTRIC CHARACTERISTICS						
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	×			
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×			
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×			
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		×			
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×			
LOCK STRENGTH	MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.	20 N MIN.	×			
LANCE STRENGTH	INSERT APPLICABLE CONTACT AND PULL CABLE.	5 N MIN.	×			
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15→+35→+85→+15→+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		×			
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×			
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)		×			
REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE OF CURRENT CARRYING. ⁽²⁾ "STORAGE" MEANS LONG-TERM STORAGE STATE BEFORE ASSEMBLY TO PCB.		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		K. Shibuya '05.03.25	K. Shibuya '05.03.25	H. Yamaguchi '05.03.25	H. Okawa '05.03.25	
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. FX15-31P-C		
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 155326	CODE NO. CL 575-2101-2		1/1		