

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
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	
					<i>K. Shibuya</i>	<i>K. Shibuya</i>	<i>H. Yamaguchi</i>	<i>H. Okawa</i>		
Unless otherwise specified, refer to JIS C 5402.					'05.03.25	'05.03.25	'05.03.25	'05.03.25		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test										
HS 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		

