

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 <sup>(1)</sup>			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>			
	VOLTAGE	100 V AC			OPERATING HUMIDITY RANGE	40 % TO 80 %			
	CURRENT	0.5 A			STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>			
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 <sup>2</sup> , 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		<sup>(1)</sup> INCLUDE TEMPERATURE RISE OF CURRENT CARRYING. <sup>(2)</sup> "STORAGE" MEANS LONG-TERM STORAGE STATE BEFORE ASSEMBLY TO PCB.			DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					<i>K. Shibuya</i>	<i>K. Shibuya</i>	<i>Y. Yamaguchi</i>	<i>H. Okawa</i>	
					'05.03.25	'05.03.25	'05.03.25	'05.03.25	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test									
<b>HS</b> 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				
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