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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	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/s², 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.

Unless otherwise specified, refer to JIS C 5402.

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	

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

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

FORM No.231-1