

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	50 V AC		OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % RH MAX. <sup>(3)</sup>	
	CURRENT	0.3 A		STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.			×	×
<b>ELECTRIC CHARACTERISTICS</b>						
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		60 mΩ MAX.	×	
INSULATION RESISTANCE		100 V DC		100 MΩ MIN.	×	
VOLTAGE PROOF		150 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×	×
<b>MECHANICAL CHARACTERISTICS</b>						
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 57.6 N MAX. WITHDRAWAL FORCE: 2.4 N MIN.	×	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			×	
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 70 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.	×	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2 ~ 3 → 30 → 2 ~ 3 min. UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
DRY HEAT		EXPOSED AT 85 °C, 96h.		① CONTACT RESISTANCE: 70 mΩ MAX.	×	
COLD		EXPOSED AT -55 °C, 96h.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 70 mΩ MAX. ② NO HEAVY CORROSION.	×	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)			×	
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	×	
		2) SOLDERING IRONS : 360 °C, FOR 5 s			×	
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240°C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	×	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
△						
<b>REMARK</b> <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. <sup>(3)</sup> NO DEW CONDENSATION IS PERMITTED. <b>Unless otherwise specified, refer to JIS C 5402.</b>				APPROVED	HS. OKAWA	10. 08. 16
				CHECKED	HT. YAMAGUCHI	10. 08. 16
				DESIGNED	SY. KAMIGA	10. 08. 07
				DRAWN	HK. SUNADORI	10. 08. 06
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-151972-21	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.		FX10B-96P-SV1 (91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL570-0151-8-91	
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