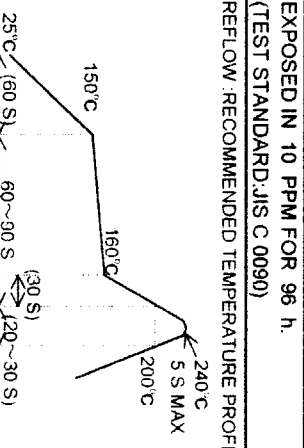


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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS

<b>APPLICATION STANDARD</b>		OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C
RATING VOLTAGE		AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)	
CURRENT		0.3 A			

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENT	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	X	X
MARKING	CONFIRMED VISUALLY.		X	X
<b>ELECTRICAL CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	-
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
<b>MECHANICAL CHARACTERISTICS</b>				
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 57.6 N MAX. WITHDRAWAL FORCE: 2.4 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTION.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm, ... m/s <sup>2</sup> WITH 10 CYCLES IN 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF PART. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.	1) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
<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. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55→-15~35→85→-15~35 °C TIME: 30→2~3→30→2~3 min UNDER 5 CYCLES.		X	-
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
COLD	EXPOSED AT -55 °C, 96 h.		X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.	X	-
RESISTANCE TO SOLDERING HEAT	REFLOW / RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	-



**SOLDRABILITY**  
 TO BE TESTED UNDER THE ABOVE CONDITIONS.  
 SOLDERED AT SOLDER TEMPERATURE.  
 235 °C FOR IMMERSION DURATION, 2 s.

**REMARKS**

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE QT. QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST	<i>J. Sakada</i>	<i>J. Sakada</i>	<i>J. Sakada</i>	<i>J. Sakada</i>	
	00.01.13	00.01.13	00.01.13	00.01.14	

**HR5** HIROSE ELECTRIC CO., LTD. **SPECIFICATION SHEET** **FX10A - 96S - SV**

CODE NO. (OLD) CL DRAWING NO. ELC4 - 151984 CODE NO. CL 570 - 0241 - 9

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