

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

APPLICATION STANDARD		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
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CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.	ACCORDING TO DRAWING	X	X
GENERAL EXAMINATION			X	X
MARKING			X	X

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).	70 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

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRactions.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-

VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm, m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
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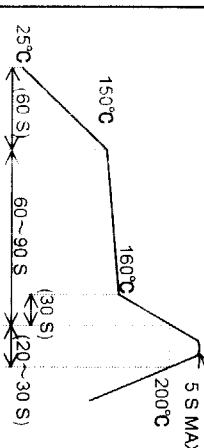
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS	2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
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ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 80 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: 80 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: 80 mΩ MAX. 2) NO HEAVY CORROSION.	X	-
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RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT	X	-
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SOLDERABILITY	TO BE TESTED UNDER THE ABOVE CONDITIONS SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	X	-
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REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
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UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	02.01.15	02.01.15	02.01.17	02.01.17		
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NOTE QT: QUALIFICATION TEST AT ASSURANCE TEST X APPLICABLE TEST

HRS HIROSE ELECTRIC CO. LTD.	SPECIFICATION SHEET	PART NO.	FX11A - 100S - SV
CODE NO. (OLD)	DRAWING NO	CODE NO.	
CL	ELC4 - 152641 -	CL 573 - 0743 - 6 -	

TO PCK