

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	m.d	99.7.29					

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

SPECIFICATIONS			
ITEM	TEST METHOD	REQUIREMENT	QT/AT
CONSTRUCTION			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	○/○
MARKING	CONFIRMED VISUALLY.		○/○
ELECTRICAL CHARACTERISTICS			
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.	○/○
MECHANICAL CHARACTERISTICS			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 84 N MAX WITHDRAWAL FORCE: 3.5 N MIN.	○/—
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○/—
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.	○/—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○/—
ENVIRONMENTAL CHARACTERISTICS			
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 CHAGE OF TEMPERTURE	TEMPERTURE -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 PART.	○/—
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX.	○/—
COLD	EXPOSED AT -55 °C, 96 h.	2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○/—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○/—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.	○/—
RESISTANCE TO SOLDERING HEAT	REFLOW: RECOMMENDED TEMPERATURE PROFILE TO BE TESTED UNDER THE ABOVE CONDITIONS	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	○/—
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	○/—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	S.Kitajima 99.05.25	J. Matsukawa 99.05.25	M.Ishida 99.05.26	Y.Yoshimura 99.05.27	

UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.

NOTE	QT: QUALIFICATION TEST	AT: ASSURANCE TEST	○: APPLICABLE TEST
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HS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO FX11LA - 140P - SV
CODE NO. (OLD) CL	DRAWING NO. ELC4 - 152103 -	CODE NO. CL 573 - 0045 - 0