

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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	X	X
MARKING	CONFIRMED VISUALLY.		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	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
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.	X	—
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.	X	—
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1)CONTACT RESISTANCE: 80 mΩ MAX.	X	—
COLD	EXPOSED AT -55 °C, 96 h.	2)NO DAMAGE, CRACK AND LOOSENESS OF PART.	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	—
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE 25°C (60 S) 150°C 160°C (30 S) 240°C 5 S MAX 200°C 60~90 S (20~30 S) TO BE TESTED UNDER THE ABOVE CONDITIONS	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT	X	—
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION. 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	X	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>J. Matsukawa</i>	<i>J. Matsukawa</i>	<i>M. Sakida</i>	<i>T. Yoshimura</i>	
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.	00.01.15	00.01.15	00.01.17	00.01.17	

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST		
HS HIROSE ELECTRIC CO.,LTD.	SPECIFICATION SHEET	PART NO. FX11A - 100S - SV
CODE NO.(OLD) CL	DRAWING NO ELC4 - 152641 -	CODE NO. CL 573 - 0743 - 6 -

FORM NO. 231-1

TO
PCK