

△	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		-10 °C TO 60 °C			
	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
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: 48 N MAX. WITHDRAWAL FORCE: 2 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. 3)NO DAMAGE, CRACK AND LOOSENESS OF PART.				X	—
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -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.				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 240°C 5 S MAX 200°C 60~90 S (30 S) (20~30 S) TO BE TESTED UNDER THE ABOVE CONDITIONS.				NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.				X	—
SOLDERABILITY		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		
UNLESS OTERWISE SPECIFIED ,REFER TO JIS C 5402.					<i>Matsukawa</i> 00.06.20	<i>Matsukawa</i> 00.06.20	<i>H. Okawa</i> 00.06.21	<i>J. Yoshimura</i> 00.06.23			
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET				PART NO. FX11B - 80S - SV			
CODE NO.(OLD) CL			DRAWING NO. ELC4 - 152648			CODE NO. CL 573 - 0758 - 3			1 1		

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