

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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

SPECIFICATIONS

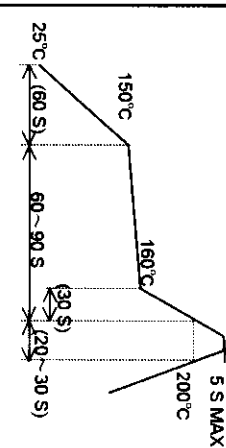
APPLICATION STANDARD	OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)
	-55 °C TO 85 °C		
RATING	VOLTAGE AC 50 V	OPERATING HUMIDITY RANGE	
	CURRENT 0.3 A		

ITEM	TEST METHOD	REQUIREMENT	Q/TAT
CONSTRUCTION			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	X X X
MARKING	CONFIRMED VISUALLY.		X X X

ELECTRICAL CHARACTERISTICS	CONTACT RESISTANCE	INSULATION RESISTANCE	VOLTAGE PROOF
	100 mA (DC OR 1000 Hz)	100 V DC.	150 V AC FOR 1 min.
	70 mΩ MAX.	100 MΩ MIN.	NO FLASHOVER OR BREAKDOWN.
	X X X	X X X	X X X

MECHANICAL CHARACTERISTICS	INSERTION AND WITHDRAWAL FORCES	MECHANICAL OPERATION	VIBRATION	SHOCK
	MEASURED BY APPLICABLE CONNECTOR.	50 TIMES INSERTION AND EXTRactions.	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm, — m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.
	INSERTION FORCE: 48 N MAX. WITHDRAWAL FORCE: 2 N MIN.		1)NO ELECTRICAL DISCONTINUITY OF PART.	1)NO DAMAGE, CRACK AND LOOSENESS OF PART.
	1)CONTACT RESISTANCE: 80 mΩ MAX.		X X X	X X X

ENVIRONMENTAL CHARACTERISTICS	DAMP HEAT (STEADY STATE)	RAPID CHAGE OF TEMPERATURE	DRY HEAT	COLD	CORROSION SALT MIST	SULPHUR DIOXIDE	RESISTANCE TO SOLDERING HEAT
	EXPOSED AT 40±2 °C. 90~95 % 96 h.	TEMPERATURE -55~15~35 → 85~15~35°C TIME 30 → 2 → 3 → 30 → 2~ 3 min. UNDER 5 CYCLES.	EXPOSED AT 85 °C. 96 h.	EXPOSED AT -55 °C. 96 h.	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JIS C 0090)	TO BE TESTED UNDER THE ABOVE CONDITIONS.
	1)CONTACT RESISTANCE: 80 mΩ MAX.	2)INSULATION RESISTANCE: 100 MΩ MIN. 3)NO DAMAGE, CRACK AND LOOSENESS OF PART.	1)CONTACT RESISTANCE: 80 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.		NO HEAVY CORROSION.	1)CONTACT RESISTANCE: 80 mΩ MAX. 2)NO HEAVY CORROSION.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.
	X X X	X X X	X X X	X X X	X X X	X X X	X X X



REMARKS	SOLDERABILITY	UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	NOTE	Q.T. QUALIFICATION TEST	AT. ASSURANCE TEST	X. APPLICABLE TEST
	235 °C FOR IMMERSION DURATION, 2 s.					

DRAWN: *[Signature]*
 DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 APPROVED: *[Signature]*
 RELEASED: *[Signature]*

HRS	HIROSE ELECTRIC CO.,LTD.	SPECIFICATION SHEET	PART NO.	FX11B - 80S - SV (21)
CODE NO.(OLD)	DRAWING NO.	ELC4 - 152648 - 01	CODE NO.	CL 573 - 0758 - 3 - 21
CL				

TO	
PCK	

