

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

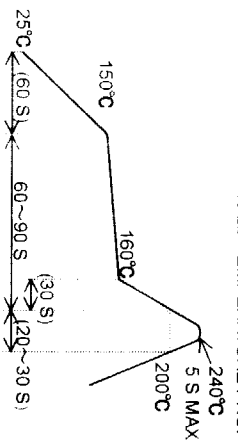
△	△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD			OPERATING TEMPERATURE RANGE			-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE			-10 °C TO 60 °C	
RATING			VOLTAGE			AC 50 V	OPERATING HUMIDITY RANGE			RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)	
			CURRENT			0.3 A					

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	QTY	
			AT	1
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	480 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 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	-
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT	X	-



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
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
NOTE QT. QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST	00.e.115	00.e.115	00.e.117	00.e.117	

HRS HIROSE ELECTRIC CO. LTD.	SPECIFICATION SHEET	PART NO.	FX11B - 100P - SV (22)
CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4 - 152610 - 02	CL 573 - 0553 - 0 - 22	

TO
PCK