

In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

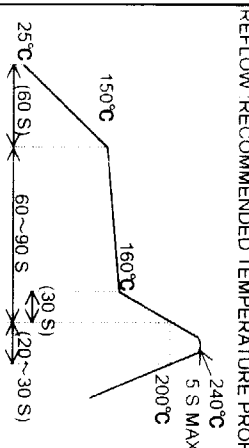
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APPLICATION STANDARD		OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C
RATING		VOLTAGE		AC 50 V	OPERATING HUMIDITY RANGE		RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)
		CURRENT		0.3 A			

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	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).	60 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: 69.6 N MAX WITHDRAWAL FORCE: 2.9 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIIONS.	1)CONTACT RESISTANCE: 70 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.	2)NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-

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. 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 70 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 70 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

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	FX11LB - 116P - SV (21)
CODE NO (OLD)	DRAWING NO.	ELC4 - 152106 - 01	CODE NO.	CL 573 - 0054 - 0 - 21
CL				1

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PCK