

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

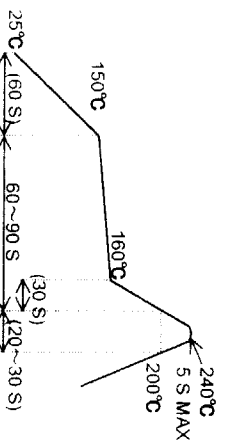
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
		-55 °C TO 85 °C	-10 °C TO 60 °C
RATING VOLTAGE		AC 50 V	OPERATING HUMIDITY RANGE
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

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	Q/T	A/T
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: 84 N MAX WITHDRAWAL FORCE: 3.5 N MIN.	X	—
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRactions.	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		REQUIREMENT	Q/T	A/T
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.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE .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 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	REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
TO BE TESTED UNDER THE ABOVE CONDITIONS SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.					X

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.
 NOTE Q/T: QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. FX11LB - 140P - SV (21)
CODE NO. (OLD) CL	DRAWING NO. ELC4 - 152107 - 01	CODE NO. CL 573 - 0055 - 3 - 21
TO PCK		FORM NO. 231-1