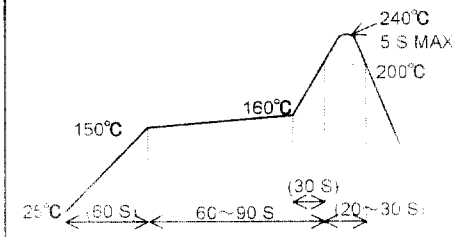
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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△1	1	RE-F-06478	J.M	M.I	99.7.29	△					
△						△					

APPLICATION STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 ℃ TO 85 ℃	STORAGE TEMPERATURE RANGE	-10 ℃ TO 60 ℃
	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	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 mΩ MAX.	○	○
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	○	—
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
△1 INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 69.6 N MAX WITHDRAWAL FORCE: 2.9 N MIN	○	—
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1)CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○	—
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.	○	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 ℃, 90～95 %, 96 h	1)CONTACT RESISTANCE: 70 mΩ MAX. 2)INSULATION RESISTANCE: 100 MΩ MIN.	○	—
RAPID CHAGE OF TEMPERTURE	TEMPERTURE -55→15～35→ 85→15～35℃ TIME 30→ 2～ 3→ 30→ 2～ 3 min. UNDER 5 CYCLES.	3)NO DAMAGE, CRACK AND LOOSENESS OF PART.	○	—
DRY HEAT	EXPOSED AT 85 ℃, 96 h.	1)CONTACT RESISTANCE: 70 mΩ MAX.		
COLD	EXPOSED AT -55 ℃. 96 h.	2)NO DAMAGE, CRACK AND LOOSENESS OF PART.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JIS C 0090)	1)CONTACT RESISTANCE: 70 mΩ MAX. 2)NO HEAVY CORROSION.	○	—
RESISTANCE TO SOLDERING HEAT	REFLOW :RECOMMENDED TEMPERATURE PROFILE  TO BE TESTED UNDER THE ABOVE CONDITIONS	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	○	—
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE. 235 ℃ FOR IMMERSION DURATION. 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE	○	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTERWISE SPECIFIED REFER TO JIS C 5402	S.Kitajima 99.05.25	J. Matsukawa 99.05.25	M.Ishida 99.05.26	Y.Yoshimura 99.05.27	

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○ APPLICABLE TEST

HRS HIROSE ELECTRIC CO. LTD.	SPECIFICATION SHEET	PART NO FX11LB - 116P - SV

CODE NO (OLD)	DRAWING NO	CODE NO	
CL	ELC4 - 152106 -	CL 573 - 0054 -0	1/1

FORM NO. 231-1

TO PCK