

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

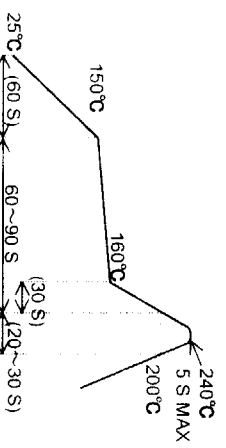
△	△	△	△	△	△	△	△	△	△
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

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	Q	T	A
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	X	X	X
MARKING	CONFIRMED VISUALLY.		X	X	X
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	60 mΩ MAX.	X	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X	X
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 84 N MAX WITHDRAWAL FORCE: 3.5 N MIN	X	X	X
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	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 PART. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	1) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	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	X	X
RAPID CHANGE OF TEMPERATURE	TEMPERATURE .55→15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.		X	X	X
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
COLD	EXPOSED AT -55 °C, 96 h.		X	X	X
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	X	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	X	X
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	X	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	X	X
----------------------	--	--	---	---	---

REMARKS		DRAWN	<i>M. Takahara</i>	DESIGNED	<i>M. Takahara</i>	CHECKED	<i>M. Sakabe</i>	APPROVED	<i>S. Yoshimura</i>	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.			98.10.27		98.10.27		99.10.28		99.10.18	
NOTE	QT: QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST									

TO	PCK	HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	FX11LB - 140P - SV (22)
CL	CL	DRAWING NO.	ELC4 - 152107 - 02	CODE NO.	CL 573 - 0055 - 3 - 22
					FORM NO. 231-1