

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

TO	
PCK	

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICATION STANDARD		SPECIFICATIONS	
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		

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: 55.2 N MAX WITHDRAWAL FORCE: 2.3 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.		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.	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	—

REMARKS	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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UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST	<i>H. Takahara</i> 99.11.29	<i>H. Takahara</i> 99.11.29	<i>Dr. Saitoh</i> 99.12.28	<i>Y. Yoshimura</i> 99.11.28	

HRS HIROSE ELECTRIC CO.,LTD.	SPECIFICATION SHEET	PART NO.
CODE NO.(OLD)	DRAWING NO.	FX11LB - 92P - SV (22)
CL	ELC4 - 152105 - 02	CL 573 - 0053 - 8 - 22

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FORM NO. 231-1