

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

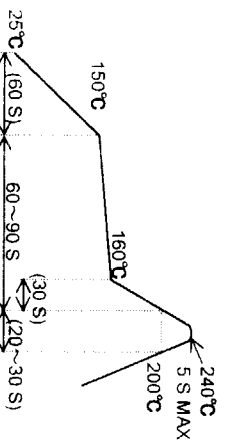
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
		-55 °C TO 85 °C	-10 °C TO 60 °C
RATING	VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE
	CURRENT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

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	Q	T	A
CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	X	X	X
GENERAL EXAMINATION	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: 55.2 N MAX. WITHDRAWAL FORCE: 2.3 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 1 μs MIN. 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.	2) 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	REMARKS
SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.	TO BE TESTED UNDER THE ABOVE CONDITIONS

DESIGNED	CHECKED	APPROVED	RELEASED
<i>M. Hatakeyama</i>	<i>M. Hatakeyama</i>	<i>M. Hatakeyama</i>	
99.10.29	99.10.28	99.10.28	

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

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

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	FX11LB-92 S - SV (22)
CODE NO. (OLD)	DRAWING NO.	ELC4 - 152121 - 02	CODE NO.	CL 573 - 0153 - 2 - 22
CL				FORM NO. 231-1

TO	
PCK	