

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
△	1	RE-F-06478	J.M	M	99.7.29					

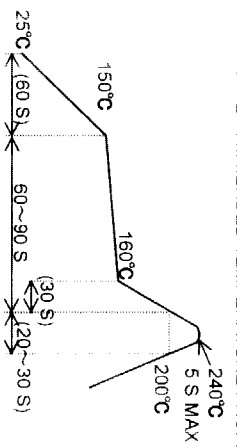
APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE	RELATIVE HUMIDITY (NO DEW CONDENSATION IS PERMITTED)
		-55 °C TO 85 °C		-10 °C TO 60 °C

RATING VOLTAGE		AC 50 V	OPERATING HUMIDITY RANGE

CURRENT		0.3 A	RELATIVE HUMIDITY (NO DEW CONDENSATION IS PERMITTED)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	Q	T	A
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					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 55.2 N MAX. WITHDRAWAL FORCE: 2.3 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 °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.	○	○	○
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→-15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.		○	○	○
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○	○	○
COLD	EXPOSED AT -55 °C, 96 h.		○	○	○
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	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	○	○	○



SOLDERABILITY	REMARKS	DESIGNED	CHECKED	APPROVED	RELEASED
	TO BE TESTED UNDER THE ABOVE CONDITIONS SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.				

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	S. Kitajima 99.05.25	J. Matsukawa 99.05.25	M. Shida 99.05.26	Y. Yoshimura 99.05.27	

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

NOTE Q1: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST

<p>HR5 HIROSE ELECTRIC CO. LTD.</p> <p>CODE NO. (OLD) CL</p>	<p>DRAWING NO. ELC4 - 152121 -</p>	<p>SPECIFICATION SHEET</p>	<p>PART NO. FX11LB -92 S - SV</p>
<p>1</p>	<p>CODE NO. CL 573 - 0153 - 2</p>	<p>1</p>	<p>FORM NO. 231-1</p>

