

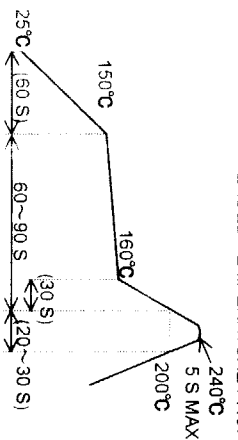
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
<b>APPLICATION STANDARD</b>											
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/T
<b>CONSTRUCTION</b>	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	X	X
<b>GENERAL EXAMINATION</b>	CONFIRMED VISUALLY.		X	X
<b>ELECTRICAL CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	70 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
<b>MECHANICAL CHARACTERISTICS</b>				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 60 N MAX WITHDRAWAL FORCE: 2.5 N MIN.	X	-
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE CRACK AND LOOSENESS OF PART.	X	-
VIBRATION	FREQUENCY: 10 TO 56 Hz, SINGLE AMPLITUDE: 0.75 mm, ... m/s <sup>2</sup> 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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS	2) NO DAMAGE CRACK AND LOOSENESS OF PART.	X	-

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	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	-
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	-
COLD	EXPOSED AT -55 °C, 96 h.		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: 80 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	-



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

UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>H. Hatakeyama</i>	<i>H. Hatakeyama</i>	<i>S. Hatakeyama</i>	<i>S. Hatakeyama</i>	
NOTE QT. QUALIFICATION TEST AT ASSURANCE TEST X APPLICABLE TEST	02.01.15	02.01.15	02.01.17	02.01.17	

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	<b>SPECIFICATION SHEET</b>	<b>PART NO.</b>	<b>FX11A - 100P - SV0.5 (21)</b>
CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4 - 152623 - 01	CL 573 - 0643 - 1 - 21	
TO PCK			1