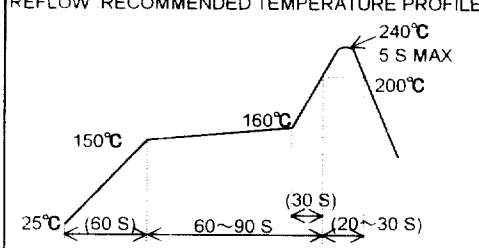


May.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△					
△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△					
<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																						
<b>SPECIFICATIONS</b>																								
ITEM		TEST METHOD					REQUIREMENT					QT		AT										
<b>CONSTRUCTION</b>																								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.					ACCORDING TO DRAWING					X		X										
MARKING		CONFIRMED VISUALLY.										X		X										
<b>ELECTRICAL CHARACTERISTICS</b>																								
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										
<b>MECHANICAL CHARACTERISTICS</b>																								
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.					INSERTION FORCE: 69.6 N MAX WITHDRAWAL FORCE: 2.9 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 <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.										X		-										
<b>ENVIRONMENTAL CHARACTERISTICS</b>																								
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		-										
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -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: 70 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 70 mΩ MAX. 2)NO HEAVY CORROSION.					X		-										
RESISTANCE TO SOLDERING HEAT		REFLOW (RECOMMENDED TEMPERATURE PROFILE)  TO BE TESTED UNDER THE ABOVE CONDITIONS					NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT					X		-										
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION. 2 s.					NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.					X		-										
REMARKS					DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED											
					<i>Mitsuharu</i>		<i>Mitsuharu</i>		<i>M. Sakida</i>		<i>T. Yamawaki</i>													
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.					99.10.25		99.10.25		99.10.20		99.10.26													
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST																								
<b>HS</b> HIROSE ELECTRIC CO.,LTD.					SPECIFICATION SHEET					PART NO. FX11LA - 116P - SV (21)														
CODE NO.(OLD) CL					DRAWING NO. ELC4 - 152102 - 01					CODE NO. CL 573 - 0044 -7 -21					1/1									

TO PCK