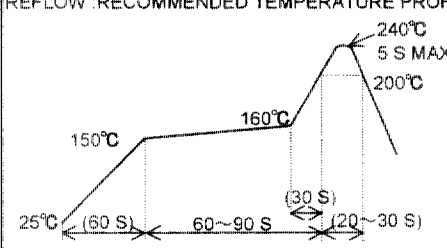


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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	md	99.7.29					
<b>APPLICATION STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C			
	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			○	○
MARKING		CONFIRMED VISUALLY.						○	○
<b>ELECTRICAL CHARACTERISTICS</b>									
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.			○	○
<b>MECHANICAL CHARACTERISTICS</b>									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 40.8 N MAX. WITHDRAWAL FORCE: 1.7 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 <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.			○	-
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						○	-
<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.			○	-
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -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.			○	-
DRY HEAT		EXPOSED AT 85 °C, 96 h.			1)CONTACT RESISTANCE: 70 mΩ MAX.			○	-
COLD		EXPOSED AT -55 °C, 96 h.			2)NO DAMAGE, CRACK AND LOOSENESS OF PART.				
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  25°C (60 S) 150°C 160°C (60~90 S) 240°C 5 S MAX 200°C (20~30 S) TO BE TESTED UNDER THE ABOVE CONDITIONS.			NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.			○	-
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.			○	-
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				S.Kitajima 99.05.25	J. Matsukawa 99.05.25	M.Ishida 99.05.26	Y.Yoshimura 99.05.27		
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST									
<b>HS</b> HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO.		
							FX11LA - 68S - SV		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4 - 152116-			CL 573 - 0142 - 6			1	

TO PCK

