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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
△	DIS-F-002220(A)	H.S		07.9.29	△				
△	DIS-F-005261(B)	H.S	H.Y	11.1.24	△				
APPLICATION STANDARD									
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							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENT			QT/AT	
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X X	
MARKING		CONFIRMED VISUALLY.						X X	
ELECTRICAL CHARACTERISTICS									
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	
MECHANICAL CHARACTERISTICS									
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 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 -	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						X -	
ENVIRONMENTAL CHARACTERISTICS									
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.			X -	
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.			X -	
DRY HEAT COLD		EXPOSED AT 85 °C, 96 h. EXPOSED AT -55 °C, 96 h.			1)CONTACT RESISTANCE: 80 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.			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 25°C (60 S) 150°C 160°C (30 S) (20~30 S) 240°C 5 S MAX 200°C			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>M. Matsukawa</i>	<i>M. Matsukawa</i>	<i>M. Ishida</i>	<i>T. Yoshimura</i>		
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.				00.01.15	00.01.15	00.01.17	00.01.17		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO. FX11A - 100S - SV (21)		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1			
CL		ELC4 - 152641 - 01		CL 573 - 0743 - 6 - 21		1			

