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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	
△						△						
△						△						
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~ 3min. UNDER 5 CYCLES.				3)NO DAMAGE, CRACK AND LOOSENESS OF PART.				X	-	
DRY HEAT		EXPOSED AT 85 °C, 96 h.				1)CONTACT RESISTANCE: 80 mΩ MAX.				X	-	
COLD		EXPOSED AT -55 °C. 96 h.				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 <p>25°C (60 S) 150°C 160°C (30 S) 240°C 5 S MAX 200°C (20~30 S)</p>				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>Matsukawa</i>		<i>Matsukawa</i>		<i>M. Ishida</i>		<i>J. 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.				
CODE NO.(OLD)				DRAWING NO.				CODE NO.				
CL				ELC4 - 152645 - 01				CL 573 - 0753 - 0 - 21				
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