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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
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)			STORAGE TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)			
	POWER	— W			CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO 12.4 GHz)			
	PECULIARITY	SEALING			APPLICABLE CABLE	—			
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).			CENTER CONTACT	8 mΩ MAX.		○	○
					OUTER CONTACT	8 mΩ MAX.		○	○
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			○	○
VOLTAGE PROOF		500 V AC FOR 1 min CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.			○	○
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 12.4 GHz.			VSWR	1.05+0.01f(GHz) MAX.		○	—
INSERTION LOSS		FREQUENCY TO GHz			dB MAX.			—	—
<b>MECHANICAL CHARACTERISTICS</b>									
CONTACT INSERTION AND EXTRACTION FORCES		φ0.91 <sup>-0.005</sup> <sub>0</sub> BY STEEL GAUGE.			INSERTION FORCE		—		—
					EXTRACTION FORCE		1.5 N MIN		○
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE		N MAX.		—
					EXTRACTION FORCE		N MAX.		—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: CENTER CONTACT 12 mΩ MAX CHANGE OUTER CONTACT 12 mΩ MAX CHANGE		○		—
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY TO Hz SINGLE AMPLITUDE mm, m/s <sup>2</sup> AT HOURS FOR DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF μs.		—		—
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		—		—
SHOCK		m/s <sup>2</sup> DIRECTIONS OF PULSE ms AT TIMES FOR DIRECTIONS.					—		—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)		APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.			① NO WITHDRAWAL AND BREAKAGE OF CABLE		—		—
					② NO BREAKAGE OF CLAMP.		—		—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
DAMP HEAT, CYCLIC		EXPOSED AT +25 TO +65 °C, 90~98 % TOTAL 10 CYCLES ( 240 h )			① INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY)		○		—
					② INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY)				
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → — → +125 → — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○		—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.		○		—
<b>REMARKS</b>									
Unless otherwise specified, refer to JIS C 5402.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				R.KIMURA	R.KIMURA	M. Yamane	Kobayashi		
				'01.10.04	'01.10.04	01.10.04	01.10.04		
Note QT:Qualification Test AT:Assurance Test O:Applicable Test									
<b>HS HIROSE ELECTRIC CO., LTD.</b>				<b>SPECIFICATION SHEET</b>			PART NO. HRM-501 (09)		
CODE NO.(OLD)		DRAWING NO.		PART NO.		1		1	
CL		ELC4-004798-09		CL323-0029-0-09					

TO
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