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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
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +90°C(90%RH MAX)			STORAGE TEMPERATURE RANGE	-40 °C TO +90°C(90%RH MAX)			
	POWER	_____ W			CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 3 GHz)			
	PECULIARITY	_____			APPLICABLE CABLE	_____			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		10m A MAX (DC OR 1000 Hz).			CENTER CONTACT	20 mΩ MAX.		○	—
					OUTER CONTACT	10 mΩ MAX.		○	—
INSULATION RESISTANCE		250 V DC.			500 MΩ MIN.			○	○
VOLTAGE PROOF		300 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.			○	○
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0 TO 3 GHz.			VSWR 1.2 MAX.			○	—
INSERTION LOSS		FREQUENCY TO GHz			dB MAX.			—	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE	N MAX.		—	—
					EXTRACTION FORCE	N MIN.		—	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE	N MAX.		—	—
					EXTRACTION FORCE	N MIN.		—	—
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: CENTER CONTACT 25 mΩ MAX. OUTER CONTACT 15 mΩ MAX.			○	—
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY 10 TO 100 Hz, SINGLE AMPLITUDE 1.5 mm, 59 m/s ² AT 1 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μ sec.			○	—
SHOCK		735 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIME FOR 6 DIRECTIONS.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
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.			—	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT,CYCLIC		EXPOSED AT 40 °C, 95% TOTAL (96 h)			① INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) ② INSULATION RESISTANCE:500 MΩ MIN. (AT DRY) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 →-5 ~ 35→ +90 →5~35 °C TIME 30 → - → +30 → - 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.			○	—
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>J. Akuma</i>	<i>N. Ninomiya</i>	<i>S. Mitoma</i>	<i>M. Kobayashi</i>		
				97.4.11	97.4.11	97.4.11	97.4.11		
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. H. FL-R-SMT (01)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-046538-01			PART NO. CL331-0521-6-01			1	1



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USA