

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
Δ					Δ				
Δ					Δ				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +90°C(90%RH MAX)			STORAGE TEMPERATURE RANGE	-30°C TO +70°C (90%RH MAX)			
	POWER	-----w			CHARACTERISTIC IMPEDANCE	50Ω (0 TO 6 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		10 mA MAX (DC OR 1000 Hz).			CENTER CONTACT	20 mΩ MAX.		○	—
					OUTER CONTACT	10 mΩ MAX.		○	—
INSULATION RESISTANCE		100 VDC.			500 MΩ MIN.			○	—
VOLTAGE PROOF		200 V AC FOR 1 min CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.			○	○
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 6 GHz.			VSWR 1.3 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		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: CENTER CONTACT 25 mΩMAX. OUTER CONTACT 15 mΩMAX			○	—
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s ² AT 5 CYCLES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			○	—
SHOCK		735 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES 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		EXPOSED AT 40 °C, 95 % TOTAL 96 h			① INSULATION RESISTANCE: 10MΩ MIN. (AT HIGH HUMIDITY)			○	—
					② INSULATION RESISTANCE: 500MΩ MIN. (AT DRY)				
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 5T035 → +90 → 5T035 °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.			○	—
REMARKS									
Unless otherwise specified, refer to JIS C 5402.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>N. Ninomiya</i>	<i>N. Ninomiya</i>	<i>M. Yamane</i>	<i>F. Kobayashi</i>		
				03.06.11	03.06.11	03.06.11	03.06.11		
Note QT:Qualification Test AT:Assurance Test O:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. U. FL-R-SMT-1 (10)		
CODE NO.(OLD)		DRAWING NO.			PART NO.			1	1
CL		ELC4-302540-10			CL331-0472-2-10				

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