

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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 2 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	100 V DC.	500 MΩ MIN.	○	—
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	○	○
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.01G TO 2 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	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 <sup>2</sup> AT 1 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μ sec.	○	—
SHOCK	735 m/s <sup>2</sup> DURATION OF PULSE 11 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, <del>cycle</del>	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
Unless otherwise specified, refer to JIS C 5402.	<i>T. Matsumoto</i>	<i>T. Matsumoto</i>	<i>H. Shimizu</i>	<i>S. Mitani</i>	
	98.8.3	98.8.3	98.8.3	98.8.19	

<b>HS</b> Qualification Test AT: Assurance Test ○: Applicable Test		PART NO.	
HIROSE ELECTRIC CO., LTD.		E. FL-R-SMT (01)	
CODE NO. (OLD)	DRAWING NO.	PART NO.	
CL	ELC4-130348-01	CL331-0421-1-01	1/1