

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +90°C(90%RH MAX)	STORAGE TEMPERATURE RANGE -20°C TO +70°C(90%RH MAX)
	POWER	-w	CHARACTERISTIC IMPEDANCE 50 Ω ( 0 TO 6 GHz)
	PECULIARITY	----	APPLICABLE CABLE ----

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		-	-

#### ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 25 mΩ MAX.	X	-
		OUTER CONTACT 25 mΩ MAX.	X	-
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	X	-
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	-
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 6 GHz.	VSWR 1.3 MAX.	X	-
INSERTION LOSS	FREQUENCY ---- TO ---- GHz	---- dB MAX.	-	-

#### MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE ---- N MAX.	-	-
		EXTRACTION FARCE ---- N MIN	-	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE ---- N MAX.	-	-
		EXTRACTION FARCE ---- N MAX.	-	-
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 30 mΩMAX. OUTER CONTACT 30 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s <sup>2</sup> AT 5 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK	735 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	-
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: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5-35 → +90 → 5-35°C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				

REMARK RoHS COMPLIANT 1. The quantity of this product is 100 connectors per pack.	APPROVED	MH. YAMANE	08.07.16
	CHECKED	NK. NINOMIYA	08.07.16
	DESIGNED	TS. SAWAI	08.07.16
	DRAWN	TS. SAWAI	08.07.16

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-310945-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	N. FL-R-SMT-1 (01)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL331-0332-3-01		1/1