

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	- 55°C TO + 85°C (90%RH MAX)		STORAGE TEMPERATURE RANGE	- 55°C TO + 85°C (90%RH MAX)
	POWER	—W		CHARACTERISTIC IMPEDANCE	50Ω ( 0 TO 6 GHz)
	PECULIARITY	—		APPLICABLE CABLE	FWS5032 (KURABE INDUSTRIAL CO., LTD.) RF-MF50141 (NISSEI ELECTRIC CO., LTD.) J12B1481 (Junkosha Inc.)
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			— —
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	10 mΩ MAX.	X	X
		OUTER CONTACT	5 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.		500 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.			X X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 6 GHz	VSWR	1.2 MAX.	X	—
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	15 N MAX.	X	—
		EXTRACTION FORCE	6~15 N	X	X
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 20 mΩ MAX. CHANGE OUTER CONTACT 10 mΩ MAX. CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X —
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s <sup>2</sup> AT 12 CYCLES FOR 3 DIRECTIONS. (TOTAL 36 CYCLES)	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X —
SHOCK	735 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				X —
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT 19.6 N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.			X —
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT	EXPOSED AT 40 °C, 95 % ( 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.			X —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 20~35 → +85 → 20~35 °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 48h.	NO HEAVY CORROSION.			X —
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
REMARK RoHS COMPLIANT		APPROVED	MH. YAMANE	10.10.27	
		CHECKED	TS. NOBE	10.10.27	
		DESIGNED	NK. OOSAWA	10.10.26	
		DRAWN	NK. OOSAWA	10.10.26	
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-303198-40	
HRS	SPECIFICATION SHEET		PART NO.	MMCX-LP-088 (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL339-0020-1-40	△ 1/1