

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT		
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	50 Ω (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					
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	X		
			OUTER CONTACT	5 mΩ MAX.	X	X	X		
INSULATION RESISTANCE	500 V DC.			500 MΩ MIN.	X	X	X		
VOLTAGE PROOF	500 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.	X	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	X		
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 20 mΩ MAX. CHANGE OUTER CONTACT 10 mΩ MAX. CHANGE		X	—	—		
			2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		—	—	—		
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 12 CYCLES FOR 3 DIRECTIONS. (TOTAL 36 CYCLES)		1) NO ELECTRICAL DISCONTINUITY OF 1 μs.		X	—	—		
			2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		—	—	—		
SHOCK	735 m/s ² 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.		X	—	—		
			2) NO BREAKAGE OF CLAMP.		—	—	—		
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT	EXPOSED AT 40 °C, 95 % (96 h)		1) INSULATION RESISTANCE: (AT HIGH HUMIDITY)	10 MΩ MIN.					
			2) INSULATION RESISTANCE: (AT DRY)	500 MΩ MIN.	X	—	—		
			3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		—	—	—		
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				APPROVED	MH. YAMANE	10.10.27			
ROHS COMPLIANT				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.				DRAWING NO. ELG4-303198-40					
Note Q1: Qualification Test AT: Assurance Test X: Applicable Test									
SPECIFICATION SHEET		PART NO.	MMCX-LP-088 (40)						
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL339-0020-1-40						
FORM HD0011-2-1						1/1			