

## RANGE MS

### SERIES-750 MS CIRCULAR COUPLING CONNECTORS



These are circular threaded coupling connectors designed to JSS 50812 (equivalent to MIL C 5015). The housing is aluminium alloy having Olive green, corrosion resistant, cadmium plating for extreme operating conditions. The insulator is made of a specially developed polychloroprene (Neoprene). This gives a high degree of insulation resistance and dielectric strength, along with resilience to withstand shock, impact, and vibration.

Pins are copper base alloy - silver plated, available in a range of current ratings from 10 amps to 150 amps. These offer excellent conductivity under severe service conditions with minimum loss or discontinuity of current even in dynamic applications.

A large array of over 100 insert arrangements in 13 shell sizes for power, signal, and combinations of power and signal pin configurations are available for a variety of applications.

These connectors are Qualification Approved by LCSO (Electronic Components Standardisation Organisation, Ministry of Defence, Govt. of India)

New features include provision of grounding pins, EMI - RFI shielding, Adapters that can accept International PG cable glands (PG and metric), Electroless nickel finish, Eco-friendly Zinc finish special backend fittings for Heat shrink termination, crimp contacts and termination (in select sizes).

Special variants to MS connectors are available or can be developed to suit specific requirements.

### TECHNICAL DATA

SERVICE RATING	INST	A	D	E	B	C
Test Voltage at Sea level VAC (rms)	1000	2000	2800	3500	4500	7000
Rated Working Voltage -DC at sea level AC (rms)	250 200	700 500	1250 900	1750 1250	2450 1750	4200 3000
Effectivr Creepage - Inch (nominal) - mm	1/16 1.57	1/8 3.18	3/16 4.75	1/4 6.35	5/16 7.92	1 25.40
Mechanical Spacing - Inch (nominal) - mm	- -	1/16 1.57	1/8 3.18	3/16 4.75	1/4 6.35	5/16 7.92

CONTACT SIZE	WIRE SIZE Dia (mm)	OD OF INSULATED WIRE		MAXIMUM TEST CURRENT Amps	RATED CURRENT Amps
		Max. (mm)	Min. (mm)		
16	0.80	3.30	1.63	22	13
	1.00				
	1.25				
12	1.60	4.32	2.90	41	23
	2.00				
8	2.50	6.48	4.17	73	46
	3.15				
4	4.00	9.40	6.90	135	80
	5.00				
0	6.30	13.98	10.55	245	150
	8.00				

### GENERAL SPECIFICATION

<b>Shell Housing</b>	Aluminium Alloy
<b>Plating</b>	Olive Drab Cadmium
<b>Insulator</b>	Polychloroprene
<b>Contact Material</b>	Copper Base Alloy - Silver Plated
<b>Mating Cycle</b>	500
<b>Operating Temperature</b>	- 55 °C / + 125 °C
<b>Insulation Resistance</b>	Min. 5000 Meg Ohms at 500 VDC
<b>Current Rating</b>	Upto 150 Amps. (Depends on Contact Arrangement )
<b>Working Voltage</b>	200 to 3000 VAC rms ( Depends on Contact Arrangement )
<b>Wire Termination</b>	Solder Type