

## STANDARD DATA MP-41 SERIES

		VALUE							
GENERAL CHARACTERISTICS	Number of contacts	13	19	25	37	54	85	150	200
	Number of channels	4	6	8	12	16	28	48	66
	Termination	Crimp							
	Wire Gauge - Stranded Wire	16AWG						18AWG	20AWG
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	250V*						250V*	250V*
	Operating Voltage at Sea level - AC	200V*						200V*	200V*
	Test Voltage AC RMS	1000V						1000V	1000V
	Current Carrying Capacity	13A						7.5A	7.5A
	Typical Contact Resistance	3.46mΩ						11.25mΩ	11.25mΩ
	Insulation Resistance	3.46mΩ						11.25mΩ	11.25mΩ
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)							
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)							
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland							
	Mechanical Operations	500 mating cycles							
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black							
	Insert	Synthetic Insert to MIL-R-3065							
	Male pin contact / Plating	Brass / Gold flash plated							
	Female socket contact / Plating	Brass / Gold flash plated							
CLAMPING CHARACTERISTICS	PG Gland	11	13.5	16	21	29	36		
	Cable Clamping range	mm (inches)	4-10 (0.15"-0.39")	5-12 (0.19"-0.47")	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")	14-25 (0.55"-0.98")	19-32 (0.74"-1.25")	

\* Not suitable for domestic applications above 50V

