

M12 L Code Series

For Your High Power Transmission



Key Features

- ✓ Compact Design
- ✓ High Power Transmission up to 16A
- ✓ UL 94V-0 Rated Material
- ✓ Bulkhead & 2 Pcs Design Receptacle
- ✓ Straight & Right Angle Cable
- ✓ Screw-in Termination For Field Installable



Harsh
Environment



IP67 / IP68



UL94 V-0



Space
Saving



UV Resistant

Male Conn Male Pin			Female Conn Female Pin		
3 Pin (2 + FE)	4 Pin (3 + FE)	5 Pin (4 + FE)	3 Pin (2 + FE)	4 Pin (3 + FE)	5 Pin (4 + FE)
2 Pin	3 Pin	4 Pin	2 Pin	3 Pin	4 Pin

Application



Broadband Wireless Access



Industrial Automation



Surveillance Systems



MRT / Railway








Specification








General Characteristics














Number of Contacts	3 / 4 / 5 Pin	Waterproof Rating	Receptacle & Overmolded: IP68 (1m/24 hours) Field Installable: IP67
Temperature Range	Receptacle: -40°C ~ 105°C Overmold with Cable: -20°C ~ 80°C Field Installable: -40°C ~ 105°C	Salt Spray	48h
Current Rating	16A	Flammability Rating	UL94 V-0
Voltage Rating	63V	Standard/Compliance	IEC61076-2-111
Recommended Gauge	14 AWG / 2.5 mm ²	Mating cycles	100 Cycle (IEC Standard)



Ordering Information

Connector Type	Receptacle (PCB Type)					
Product Image						
Part Number	Bulkhead (Unmated Waterproof)			DIP Insert		Shell
	M12①-②PFFP-SF8001			M12①-②PFFP-EE0001		APPA-AAFA015-001
Ground Pin①	L (With) / LN (Without)					
Contacts②	Ground Pin			Without Ground Pin ●		
	03 Pin (2 + FE)	04 Pin (3 + FE)	05 Pin (4 + FE)	02 Pin	03 Pin	04 Pin
						
Example	(3 Pin with Ground Pin) M12L-03PFFP-SF8001			(3 Pin w/o Ground Pin) M12LN-03PFFP-SF8001		

Connector Type	Overmolded With Cable					
Product Image						
Part Number	Straight			Right Angle		
	M12①-②BMMM-SL8H⑩			M12①-②BMMM-SR8H⑩		
Ground Pin①	L (With) / LN (Without)					
Contacts②	Ground Pin			Without Ground Pin ●		
	03 Pin (2 + FE)	04 Pin (3 + FE)	05 Pin (4 + FE)	02 Pin	03 Pin	04 Pin
						
Cable Length⑩	01 (1m) ~ 99 (99m)					
Example	(3 Pin with Ground Pin) M12L-03BMMM-SL8H01			(3 Pin w/o Ground Pin) M12LN-03BMMM-SR8H01		

Connector Type	Field Installable					
Product Image						
Part Number	Male			Female		
	M12①-②BMMB-SL7001			M12①-②BFFB-SL7001		
Ground Pin①	L (With) / LN (Without)					
Contacts②	Ground Pin					
	03 Pin (2 + FE)	04 Pin (3 + FE)	05 Pin (4 + FE)	03 Pin (2 + FE)	04 Pin (3 + FE)	05 Pin (4 + FE)
						
	Without Ground Pin ●					
	02 Pin	03 Pin	04 Pin	02 Pin	03 Pin	04 Pin
						
Example	(3 Pin with Ground Pin) M12L-03BMMB-SL7001			(3 Pin w/o Ground Pin) M12LN-03BFFB-SL7001		

● Available Soon