



M12 Male Metal Shell Shield Molded Cable Connector for Industrial IoT Sensor



Basic Information

Contact Termination	Solder Cup
Coupling	Threaded Coupling
Gender	Male
Key	A, B, D, K, L, S, T
Number of Positions	12 Pin, 17 Pin, 3 Pin, 4 Pin, 5 Pin, 6 Pin, 8 Pin
Orientation	Straight
Product Type	Molded Cable Connector

Material Specification

Contact Finish	Au
Pin Contact	CuZn
Shell Material	Metal
Socket Contact	CuSn
Wire Gauge	0.14/0.25/0.34/0.5mm ² /(26/24/22/20AWG)

Electrical Specification

Contact Resistance	<10mΩ
Insulation Resistance	≥100MΩ
Rated Current	1.5A for 12/17 Pin, 2A for 8 Pin, 4A for 3/4/5/6 Pin
Rated Voltage	250V for 3/4 Pin, 30V for 8/12/17 Pin, 60V for 5/6 Pin
Shielding	Shield

Environmental Specification

Ingress Protection	IP67, IP68
Operating Temperature	-25°C ~ + 85°C

Mechanical Specification

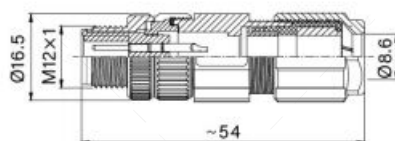
Mating Cycles	≥500
---------------	------

Contact Layout

Pins	Rated current	Rated voltage		Wire gauge		Female Contact			Male Contact		
		AC	D/C	AWG	mm²	A-Code	B-Code	D-Code	A-Code	B-Code	D-Code
2	4A	250V	250V	22	0.34						
3	4A	250V	250V	22	0.34						
4	4A	250V	250V	22	0.34						
5	4A	60V	60V	22	0.34						
6	2A	30V	30V	24	0.25						
8	2A	30V	30V	24	0.25						
12	1.5A	30V	30V	26	0.14						
17	1.5A	30V	30V	26	0.14						

Technical Code type	Pins	Rated current	Rated voltage A/C	Rated voltage D/C	Wire gauge AWG	Wire gauge mm²	Female Contact	Male Contact
S-Code	3	12A	630V	630V	16	1.5		
	4	12A	630V	630V	16	1.5		
T-Code	2	12A	60V	60V	18	1.5		
	2+PE	12A	60V	60V	18	1.5		
K-Code	3+PE	12A	60V	60V	18	1.5		
	2	16A	800V	800V	16	2.5		
	2+PE	16A	800V	800V	16	2.5		
	3+PE	16A	800V	800V	16	2.5		
L-Code	4+PE	16A	800V	800V	16	2.5		
	2	16A	63A	63A	14	2.5		
	2+PE	16A	63A	63A	14	2.5		
	3	16A	63A	63A	14	2.5		
	3+PE	16A	63A	63A	14	2.5		
	4	16A	63A	63A	14	2.5		

Size



Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.