

M8 / M12 SMT Connectors – Two-piece Connectors Designed for PCBs to Reduce Mounting Costs



Amphenol LTW (ALTW) presents M8/M12 SMT (Surface Mount Technology) connectors. ALTW's M8/M12 SMT connectors are two-piece connectors designed for PCBs that can be equipped on both sides and do not have via holes for the connection pins, making it cost-effective by reducing the printed circuit board surface area.

ALTW's M8/M12 SMT connectors are designed for waterproof protection in accordance with IP65 & IP68 standards. They are also UL 2238 and IEC 61076-2-104 compliant, offering a secure and stable data as well as superior power transmission performance.

With packaging available for automated pick and place assembly, ALTW's M8/M12 SMT connectors provide the right solution for your various interconnection needs that meet the requirements of numerous field applications.

Applications:



Industrial Automation



Broadband Wireless
Access



IP CCTV & Security



MRT / Railway



Marine

Innovation in Waterproof Solution

Specifications for M8 SMT:

Number of Positions	3 & 4 Pin	Vibration	10 ~ 500Hz, 5G
Current Rating	3A	Insertion Force	10N (1.02kgf) Max.
Voltage Rating	3 Pin: 60Vac/dc 4 Pin: 60Vac/dc	Withdrawal Force	15N (1.53kgf) Max.
Dielectric Withstand Voltage	3 Pin: 1000Vac , 4 Pin: 650Vac	Temperature Range	-55°C ~ 125°C
Insulation Resistance	100 MΩ (Min.)	Connector Color	Black
Contact Resistance	10 mΩ (Max.)	Waterproof Rating	IP65, IP68 (Mated, 1M/24Hrs)
Durability	100 Cycles	Safety Compliance	UL 2238, IEC 61076-2-104
		RoHS Compliant	Yes

Specifications for M12 SMT:

Number of Positions	A Code: 4, 5 & 8 Pin B Code: 5 Pin D Code: 4 Pin	Vibration	10 ~ 500Hz, 5G
Current Rating	4 Pin: 5A (IEC: 4A) 5 Pin: 5A (IEC: 4A) 8 Pin: 2A	Insertion Force	4 & 5 Pin: 10N (1.02kgf) Max. 8 Pin: 23N (2.35kgf) Max.
Voltage Rating	4 Pin: 250Vac/dc 5 Pin: 60Vac/dc 8 Pin: 30Vac/dc	Withdrawal Force	4 & 5 Pin: 15N (1.53kgf) Max. 8 Pin: 30N (3.06kgf) Max.
Dielectric Withstand Voltage	4 Pin: 1400Vac 5 Pin: 1000Vac 8 Pin: 650Vac	Temperature Range	-55°C ~ 125°C
Insulation Resistance	100 MΩ (Min.)	Connector Color	Black
Contact Resistance	10 mΩ (Max.)	Waterproof Rating	IP65, IP68 (Mated, 1M/24Hrs)
Durability	100 Cycles	Safety Compliance	UL 2238, IEC 61076-2-101
		RoHS Compliant	Yes

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