

Amphenol LTW Industrial Automation Market



Industrial Automation Focus

M Series



Size / Spec.	Pin #	Current Rating	Operating Temperature
M8 / G8	2P~6P	1.5A~3A	Receptacle -40°C~105°C Overmolded Cable PVC -20°C~80°C PUR -20°C~85°C Field Installable -40°C~105°C
M10.5	2P~5P	2A	
M12 A Code	2P~12P	1.5A~4A	
M12 B Code	3P~5P	4A	
M12 D Code	3P~5P	4A	
M12 I Code	5P	4A	
M12 S & T Code	4P	12A	
M12 X Code	8P	0.5A	
M12 K & L Code	5P	12A(16A)	
M20	2P~14P	5A~20A	
M23	6P	28A	



A-Code B-Code D-Code I-Style K-Code L-Code M-Code S-Code T-Code X-Code Y-Code



● Upon Request

X-Lok



Size / Spec.	Pin #	Current Rating	Operating Temperature
Mini (A Size)	2P~8P	2A~12A	Receptacle -40°C~105°C
Standard (B Size)	2P~8P	5A~10A 10A+5A	Overmolded Cable Date -20°C~80°C Power -20°C~105°C Hybrid -40°C~105°C
Middle (C Size)	2P~12P	5A~20A 10A+5A	Field Installable -40°C~105°C
Large (D Size)	2P~18P	5A~20A 20A+5A	



Industrial Automation Focus

Ceres



Spec. Size	Pin #	Current Rating	Operating Temperature
Mini (A Size)	2P~6P	2A~5A	Receptacle -40°C~105°C
Standard (B Size)	2P~12P	2A~10A 5A+2A 10A+5A	
Middle (C Size)	2P~18P	2A~20A 5A+2A 10A+5A 10A+2A	Receptacle W/ Wires -20°C~80°C
Large (D Size)	2P~22P	2A~20A 20A+2A 20A+5A	Overmolded Cable -20°C~80°C
Macro (E Size)	31P	5A	Field Installable -40°C~105°C
Others	2P~7P	5A~10A 10A+5A	



IP 66/67



UL 1977



RJ 45



Spec.	Transmission Speed	POE	Operating Temperature
Cat. 5e	Up To 1Gbps	60W/2A	Receptacle -20°C~80°C Overmolded Cable -20°C~80°C
Cat. 6A	Up To 10Gbps	N/A	Field Installable -40°C~105°C Coupler -40°C~105°C



IP 67



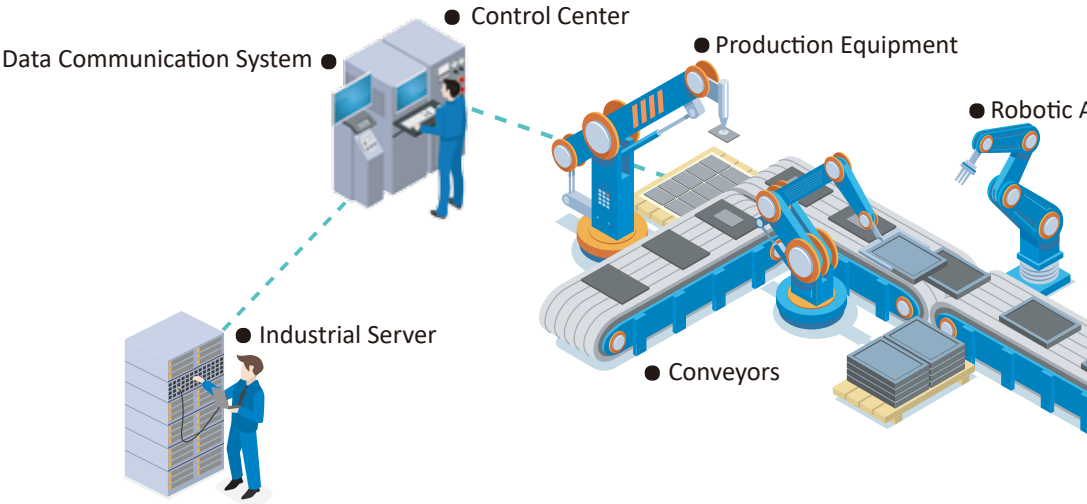
TIA/EIA-568
(Transmission Rate)



Industrial Automation Market

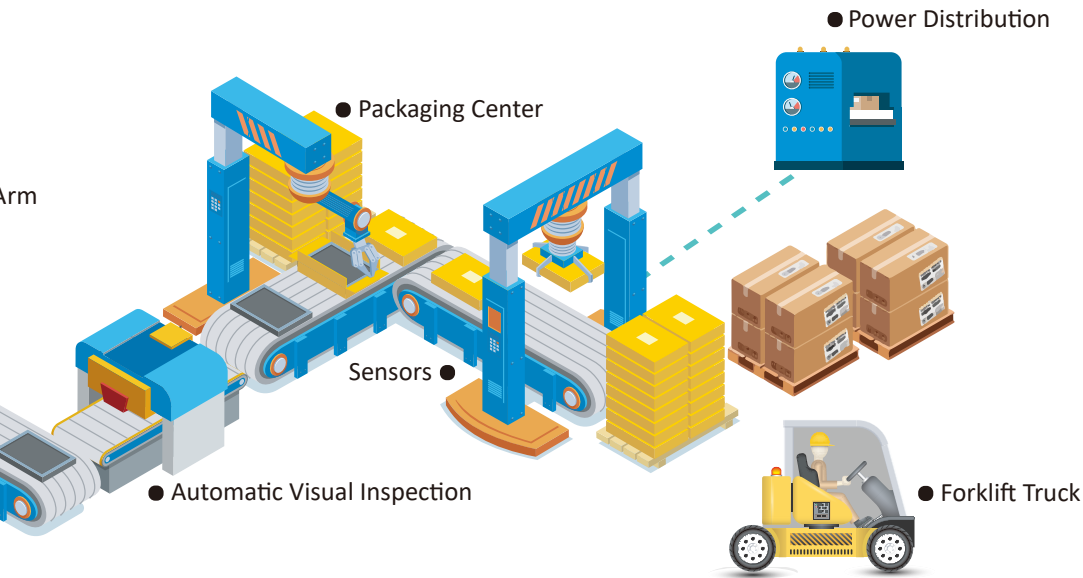
Industrial Automation plays an increasingly important role in the global economy. M-series sensors ensure the quality and consistency of products being produced. Sensors in the form of connections in the key industrial machinery and factory automation markets. Amphibious sensors are used in the key industrial machinery and factory automation markets. Amphibious sensors are used in the key industrial machinery and factory automation markets. The M-Series line of sensors and actuators offer safety in harsh environmental conditions. The M-Series line of sensors and actuators offer safety in harsh environmental conditions. extremely adverse installation situations. We offer a variety of high-quality M-Series

Applications	M Series	Distribution Box	HS-Lok	Ceres	X-Lok
Robotic Arm	✓	✓	✓	✓	✓
Industrial Server	✓	✓	✓		
Forklift Truck	✓		✓	✓	✓
Automatic Visual Inspection	✓	✓	✓	✓	✓
Data Communication System	✓	✓	✓	✓	✓
Packaging Center	✓		✓	✓	✓
Conveyors	✓		✓	✓	✓
Sensors	✓	✓	✓		
Control Center	✓	✓	✓		
Power Distribution	✓	✓		✓	✓
Production Equipment	✓	✓	✓		



Not only does automation increase productivity and reduce cost, it also improves connectors, cord sets, and proximity switches act as a control system providing reliable Amphenol LTW's M-Series is perfectly suited for industrial equipment and machinery. Conditions including corrosion, shock vibration, dust, moisture buildup as well as Sensor Connectors that range from the market standard to the highly customized.

Power	USB	DVI	D-Sub	HDMI	RJ45	LED Indicator	Vent
✓	✓	✓	✓	✓	✓	✓	✓
	✓					✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
			✓	✓	✓		✓
	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓		✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓
✓					✓		



FLO



Spec. Series	Pin #	Current Rating	Operating Temperature
B Series (IP 50)	2P~64P	1.5A~25A	Receptacle -40°C~125°C
K Series (IP 68)			Overmolded Cable -20°C~80°C Field Installable -40°C~125°C



IP 68



IP 50



Power



Spec. Type	Pin #	Current Rating	Operating Temperature
PWE	5P~7P	8A	Receptacle -40°C~105°C
PWF	2P~4P	12A	
PWG	4P	16A	Overmolded Cable -20°C~80°C
PWC	3P	20A	
PWCU	4P~12P	20A+2A	Field Installable -40°C~105°C
PWH	3P~5P	25A	
PWL	3P	30A	



IP 67/68



UL 1977



DVI / HDMI / D-Sub

DVI



HDMI



D-Sub




Spec. Series	Pin #	Current Rating	Operating Temperature
DVI	19P~29P	1.5A	Receptacle -20°C~80°C
HDMI	19P	0.5A	Overmolded Cable -20°C~80°C
D-Sub Standard	9P~50P	5A	Receptacle -40°C~105°C Overmolded Cable -20°C~80°C
D-Sub High Density	15P~78P	2A	Field Installable -40°C~105°C






IP 67/68



USB




Spec.	Transmission Speed	Current Rating	Operating Temperature
USB 2.0 (Type A / B)	Up To 480Mb/s	1.5A	Receptacle PA:-20°C~105°C M-PPE:-40°C~105°C ABS:-20°C~80°C
USB 3.0 (Type A)	Up To 5Gbps	1A	
Mini USB (Type B)	Up To 480Mb/s	1.5A	Receptacle W/ Wires PA:-20°C~105°C ABS:-20°C~80°C
Micro USB (Type AB)	Up To 480Mb/s	1A/1.8A	
USB 3.1 (Type C)	Up To 10Gbps	3A~5A	Overmolded Cable -20°C~80°C







IP 67/68

HS-Lok




Spec. Type	Pin #	Current Rating	Operating Temperature
Q8D	2P~6P	5A	-40°C~105°C
Q8U		2A	
Q8DU		5A+2A	







IP 68 UL 2238 + 50e

Vent




Spec. Series	Membrane	Material	Operating Temperature
M6x0.75	Hydrophobic Oleophobic	Thermoplastic	-40°C~125°C
M12x1.5		Metal Stainless Thermoplastic	
Snap-in		Thermoplastic	






IP 68/69K

LED Indicator



Spec. Series	Operating Temperature
LED Indicator	-40°C~80°C



IP 67/68

For further information, please contact:

Luc Kan

Email: luc@ltw-tech.com

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