

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	



IP 65/68/69K



UL 1977



IEC
61076-2-101



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	
Large (D Size)		2P~18P	5A~20A 20A+5A	Field Installable -40°C~105°C



IP 68



UL 1977
UL 2238+50e



Industrial Automation Focus

Ceres



Size	Spec.	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



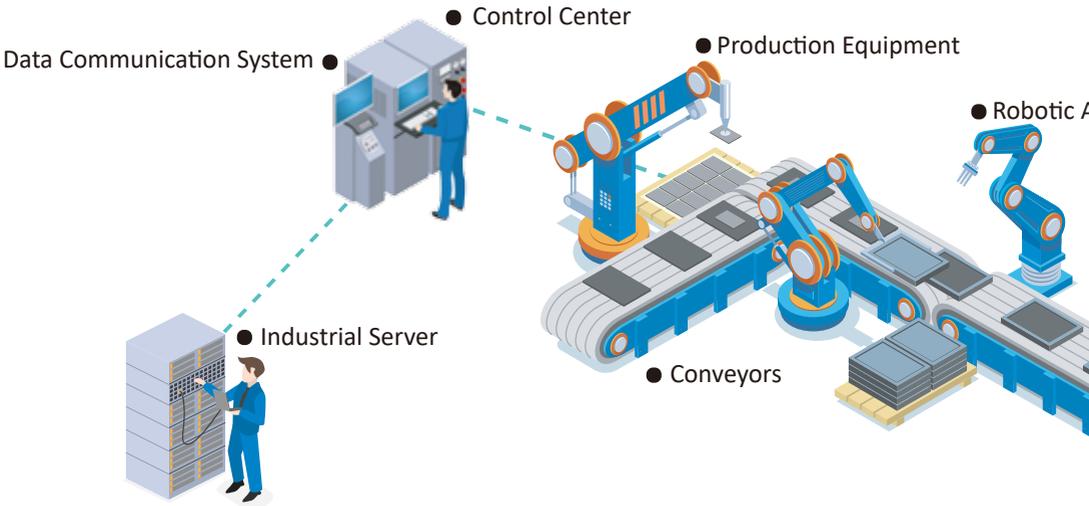
TIA/EIA-568
(Transmission Rate)



Industrial Automation Market

Industrial Automation plays an increasingly important role in the global economy. It ensures the quality and consistency of products being produced. Sensors in the form of connections in the key industrial machinery and factory automation markets. Amphion's 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. We offer a variety of high-quality M-Series products for extremely adverse installation situations.

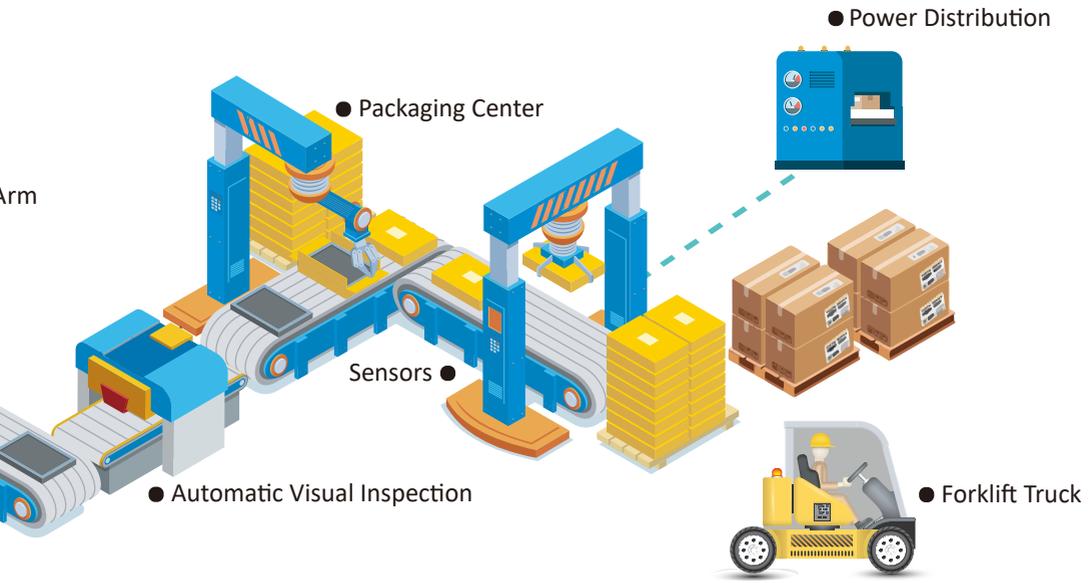
Applications	M Series	Distribution Box	HS-Lok	Ceres	X-Lok
Robotic Arm	✓	✓	✓	✓	✓
Industrial Server	✓	✓	✓		
Forklift Truck	✓		✓	✓	✓
Automatic Visual Inspection	✓	✓	✓	✓	✓
Data Communication System	✓	✓	✓	✓	✓
Packaging Center	✓		✓	✓	✓
Conveyors	✓		✓	✓	✓
Sensors	✓	✓	✓		
Control Center	✓	✓	✓		
Power Distribution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



Amphenol LTW Technology Co., Ltd.

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

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



FLO



Series	Spec.	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



Type	Spec.	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



Series	Spec.	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
D-Sub High Density		15P~78P	2A	Overmolded Cable -20°C~80°C
				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
USB 3.0 (Type A)	Up To 5Gbps	1A	M-PPE:-40°C~105°C ABS:-20°C~80°C
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	Overmolded Cable -20°C~80°C
USB 3.1 (Type C)	Up To 10Gbps	3A~5A	



HS-Lok



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



Vent



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



LED Indicator



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



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