

# M12 - RJ 45 Adapters

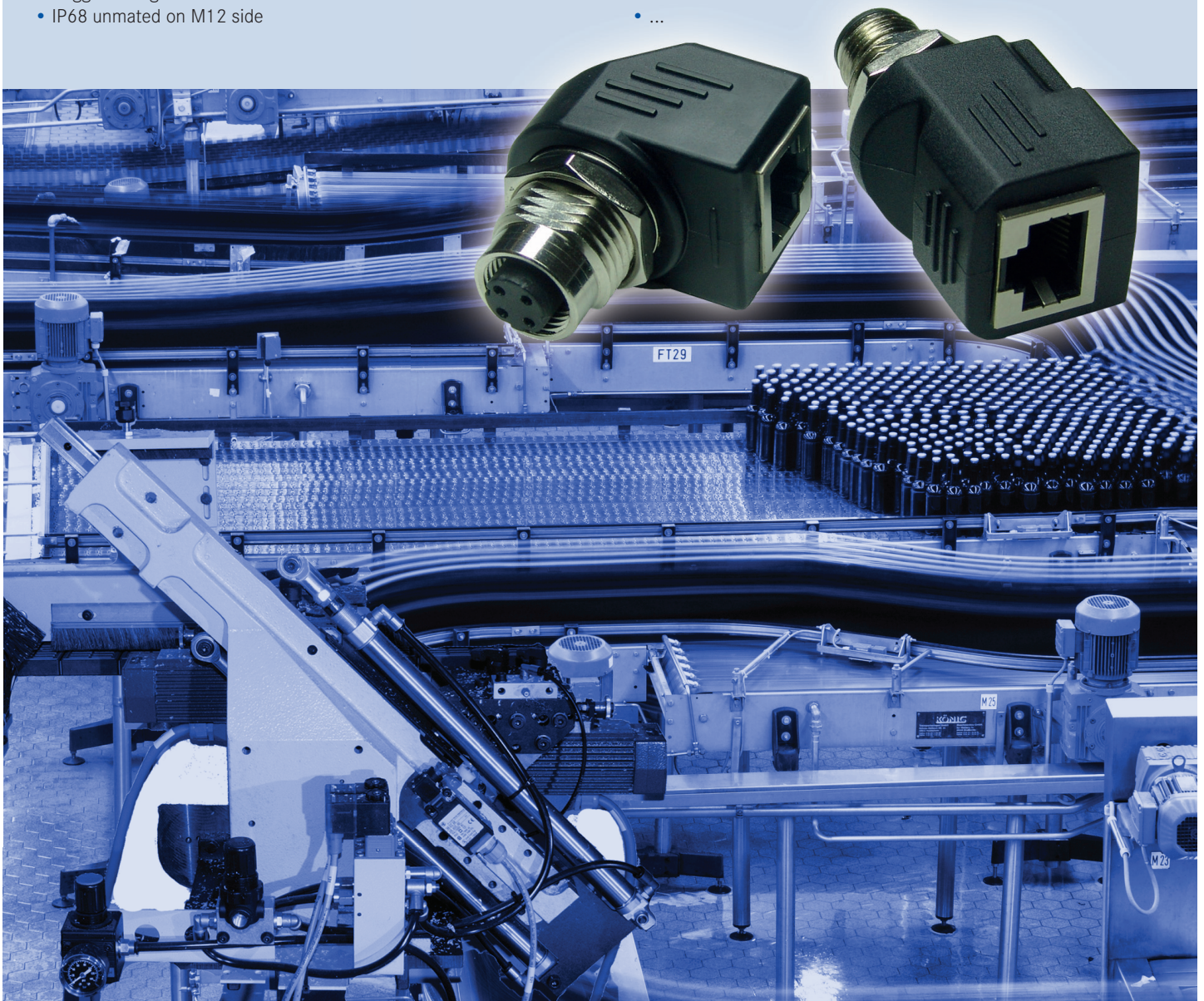
Amphenol LTW Technology Co., Ltd.

## Characteristics:

- Adapter from M12 to RJ45
- ODVA compliant
- Rugged Design
- IP68 unmated on M12 side

## Applications:

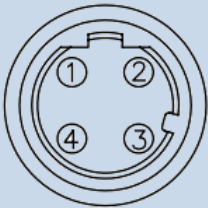
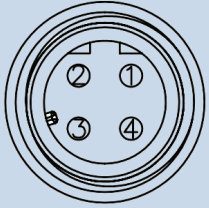
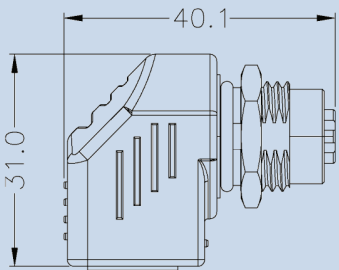
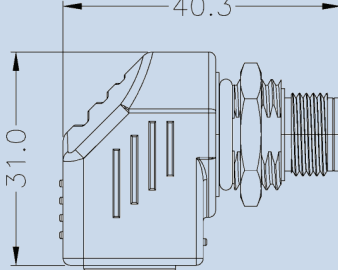
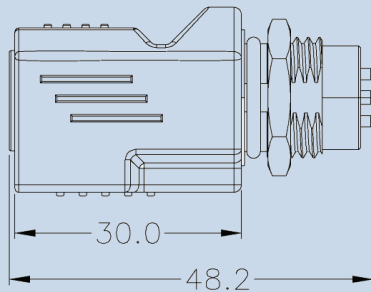
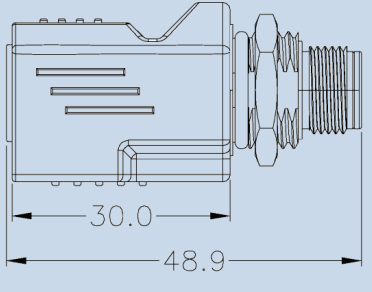
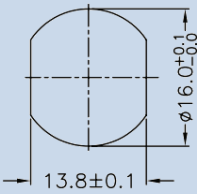
- Industrial Ethernet
- Factory Automation
- Drives
- ...



Technical Data

Parameter	Standard	Value
Connector		M12 to RJ Adapter
Pin (End 1)	IEC 61076 - 2 - 101	4 (M12 D-code)
Pin (End 2)		RJ45
Connector & Contact Gender (End 1)		Male or Female
Connector & Contact Gender (End 2)		Female
Mating Style		Screw Type
Backshell		Front Mount
Waterproof Rating	IEC 60529	M12 = IP68 / Body = IP65
Mating Parts		M12 4 Pole D-code / RJ45 Plug
Materials		
Contact Body (UL)	UL	PA + GF
Contacts		Copper Alloy
Contact Plating		Gold Plating
O-ring (UL)		Viton
Electrical Characteristics		
Current Rating	IEC 61076 - 2 101	M12: 4A
Voltage Rating	IEC 61076 - 2 101	M12 4 Pole: 250V
Withstanding Voltage	IEC 61076 - 2 101	M12 4 Pole: 1400Vrms
Contact Resistance	IEC 61076 - 2 101	<10mΩ
Mechanical Characteristics		
Operating Temperature		0°C to +70°C
Insertion and Withdrawal Force	IEC 61076 - 2 101	M12 Conn.: Insertion: 10N; Withdrawal: 15N
Mating Cycle	IEC 61076 - 2 101	M12 Conn.: 100
Vibration	IEC 61076 - 2 101	10 ~ 500 Hz and 0,35 mm or 50 mm/s²
Part Numbers		
Adapter right-angled, female M12		RJS-12D04FF-RS8001
Adapter right-angled, male M12		RJS-12D04FM-RS8001
Adapter straight, female M12		RJS-12D04FF-LS8001
Adapter straight, male M12		RJS-12D04FM-LS8001

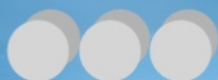
## Dimensions

Pin Configurations	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>M12 Female</p>  <p>Pin Assignments Front View</p> </div> <div style="text-align: center;"> <p>M12 Male</p>  <p>Pin Assignments Front View</p> </div> </div>
Dimensional Drawings	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 20px;"> <div style="text-align: center;">  <p>RJS-12D04FF-RS8001</p> </div> <div style="text-align: center;">  <p>RJS-12D04FM-RS8001</p> </div> <div style="text-align: center;">  <p>RJS-12D04FF-LS8001</p> </div> <div style="text-align: center;">  <p>RJS-12D04FM-LS8001</p> </div> </div>
Recommended Panel Cut-Out	<div style="text-align: center;">  </div>

### General Information

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