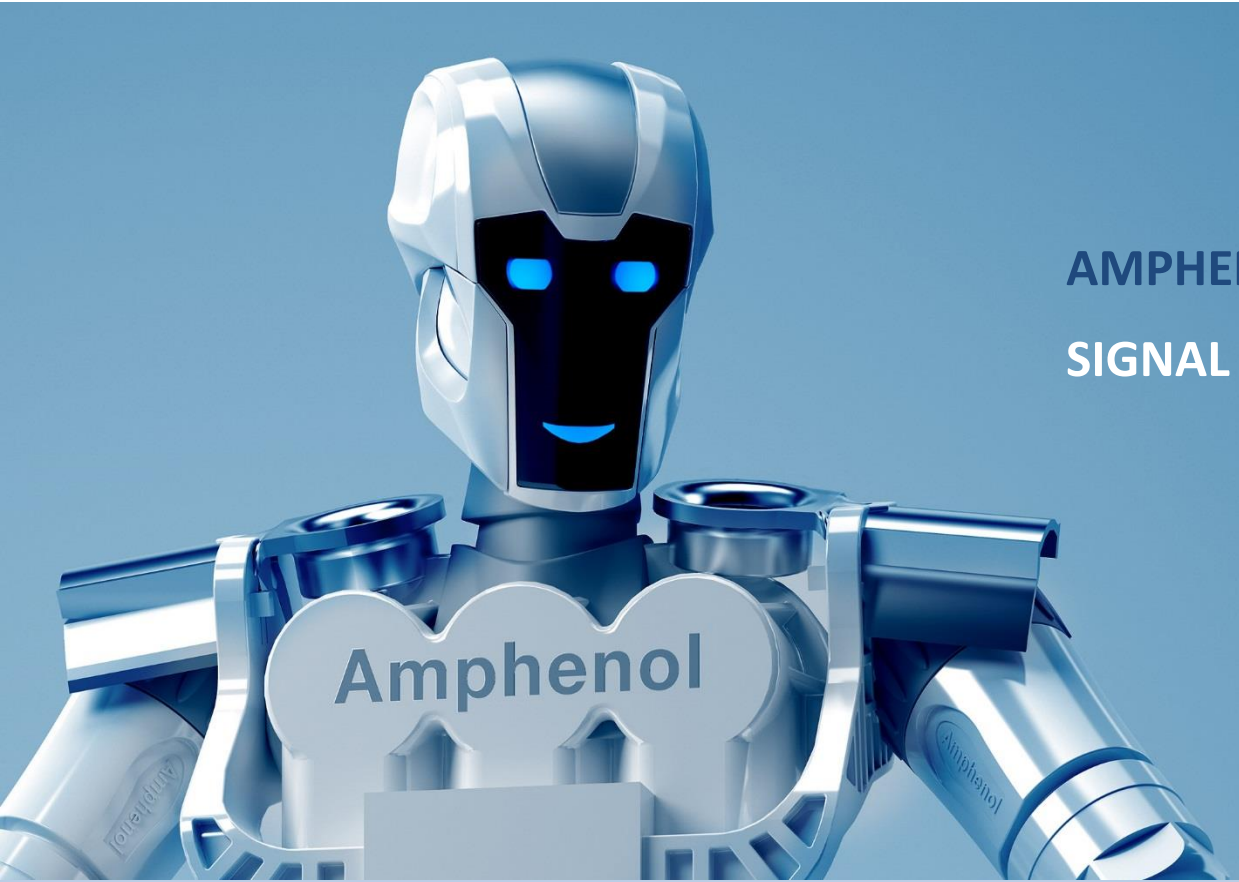


AMPHENOL INDUSTRIAL

SIGNAL|MATE OVERVIEW

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Introducing

C091 signal|mate® C091 Family



Amphenol's **signalmate® C091 (M16 Size) Quicklock** circular DIN connectors are an extension of the recognized industry standard C091 Series and feature the **Quicklock Coupling System**. Optimized for use in outdoor applications, the thermoplastic housings provide an IP68 rating when mated and resist corrosion. The **Quicklock Coupling System** offers significant time savings while ensuring an easy mating/unmating process, verified by the tactile and audible clicking sound of the locking mechanism.

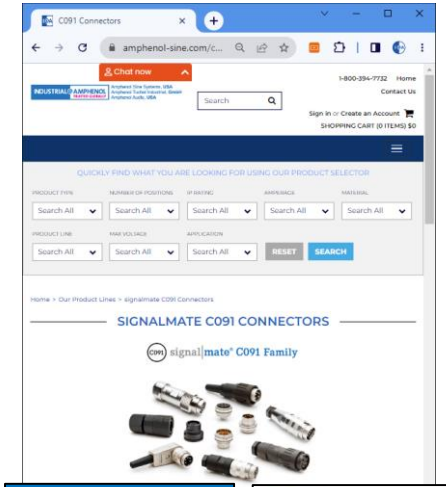
Available in 3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, 14b, and19 positions.

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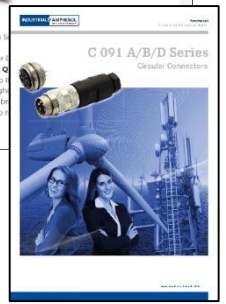
C091 M16 A C091 M16 D C091 M16 D+

- **Available in 2-14 position**
- Coupling System: Metal Screw
- Housing Material: Metal
- AWG: 18 thru 28AWG
- **Contact Current Ratings: Up to 300V/5A**
- IP Ratings: IP67/68/69K (in mated condition)
- Mating Cycles: Up to 100
- Contact Types: Machined, Stamped & Formed, Solder and PC Tail









Potential Applications

Wireless, Communications, Industrial, Factory Automation, Motion Control, Harsh Environment, Food and Beverage, Process Control Equipment, Wireless Infrastructure, Medical Sensors, Machine Tools, Measurements and Control, Industrial Sensors, Industrial Communications, Control Cabinet and other demanding interconnect architectures





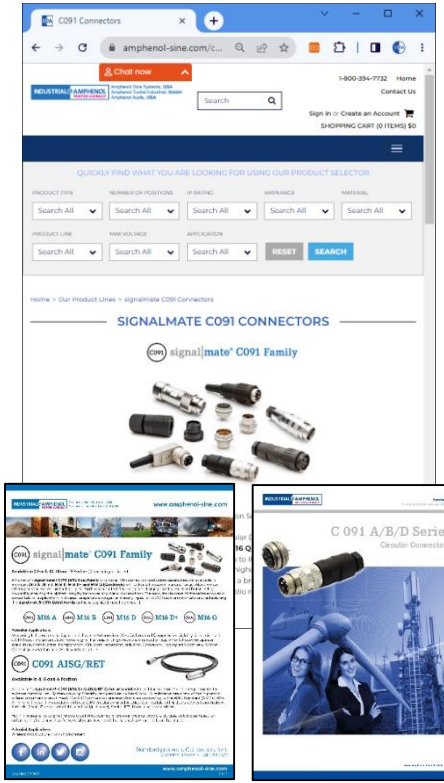


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C091 M16 B

- **Available in 2-14 position**
- Coupling System: Bayonet
- Housing Material: plastic
- AWG: 18 thru 28AWG
- **Contact Current Ratings: Up to 300V/5A**
- IP Ratings: IP40 (in mated condition)
- Mating Cycles: Up to 1000
- Contact Types: Machined, Stamped & Formed, Solder and PC Tail





Potential Applications

Wireless, Communications, Industrial, Factory Automation, Motion Control, Harsh Environment, Food and Beverage, Process Control Equipment, Wireless Infrastructure, Medical Sensors, Machine Tools, Measurements and Control, Industrial Sensors, Industrial Communications, Control Cabinet and other demanding interconnect architectures

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C091 M16 Q

- **Available in 3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, 14b, and19 position**
- Coupling System: Quicklock
- Housing Material: Thermoplastic
- AWG: 18 thru 28AWG
- **Contact Current Ratings: Up to 100V/10A**
- IP Ratings: IP68 (in mated condition)
- Mating Cycles: Silver ≥ 500; Gold ≥1000
- Contact Types: Machined, Stamped & Formed, Solder and PC Tail





Potential Applications

Wireless, Communications, Industrial, Factory Automation, Motion Control, Harsh Environment, Food and Beverage, Process Control Equipment, Wireless Infrastructure, Medical Sensors, Machine Tools, Measurements and Control, Industrial Sensors, Industrial Communications, Control Cabinet and other demanding interconnect architectures

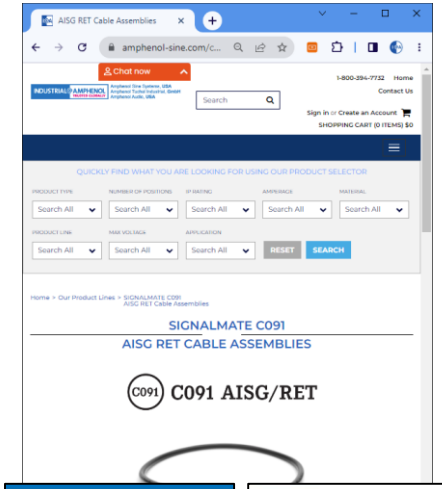
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C091 AISG/RET (M16) Cable Assemblies

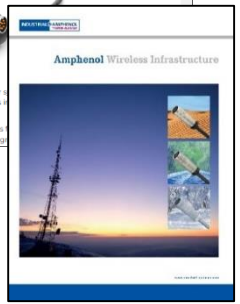
- **Available in 8 position**
- Coupling System: Metal Screw
- Housing Material: Metal
- AWG: 18 thru 22AWG
- **Contact Current Ratings: Up to 300V/5A**
- IP Ratings: IP68 (in mated condition)
- Mating Cycles: Up to 1000
- Contact Types: Machined, Stamped & Formed











Potential Applications

Wireless Communications, Telecommunications (AISG), Harsh Environment, Wireless Infrastructure, 5G Networks, Harsh Environmen Communications Switching, Routing and other demanding interconnect architectures

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