



## **C091** signal|mate® C091 M16 Q Quicklock

Available in 3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, 14b, and 19 Positions

Amphenol's **signalmate® C091 M16 Q 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.

### Features

- IP68 rated (mated)
- Corrosion Resistant
- Compact & Cost Effective
- Standard Configurations up to 19 Contacts
- Thermoplastic Housings
- Quicklock Coupling System
- Cable Mount Plug
- Rear Panel Mount Receptacle

### Potential Applications

Measuring Instruments and Equipment, Factory Automation, Drive Systems and Components, Lighting, Entertainment, CCTV/Security Cameras, Low Power/Signal Transmission, High Resolution Inspection Equipment, Heavy Equipment, Agriculture, Construction, Transportation, Off-Road Recreation, Industrial, Conveyors, Packaging Machinery, Motion Control, Servo Motors and Wireless Infrastructure

### How Quicklock Works

#### Step 1

To mate the plug and receptacle together, ensure the keying is aligned in the correct position.



#### Step 2

Push the plug onto the receptacle until the coupling ring automatically locks into place around the receptacle, as confirmed by both an audible "click" and tactile feel.



#### Step 3

To unmate the connection, the coupling ring on the plug must be rotated counter-clockwise, at which point the plug can be removed.








Part of **C091** signal|mate® C091 Family



Standard products. Custom solutions  
Customer Service +1 800 394 7732

## signalmate® C091 Family Overview

Series	<div>C091</div> <div>M16 A</div>	<div>C091</div> <div>M16 B</div>	<div>C091</div> <div>M16 D</div>	<div>C091</div> <div>M16 D+</div>	<div>C091</div> <div>M16 Q</div>
Image					
Positions	2, 3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, and 14b	3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, and 14b			3, 4, 5a, 5b, 6, 7a, 7b, 8, 12, 14a, 14b, and 19
Current Rating (+40°C)	2-3 pos: 10A 5-8 pos: 7A 12-14 pos: 3A	3-4 pos: 10A 5-8 pos: 7A 12-14 pos: 3A			3-4 pos: 10A 5-8 pos: 7A 12-19 pos: 3A
Operating Voltage	Up to 300V per IEC 60664-1 Standard				3-4 pos: 150V 5a pos: 100V 5b pos: 32V 6-7a pos: 100V 7b-19 pos: 32V
Temperature Range	-40°C to +100°C				
Coupling System	Metal Screw	Plastic Bayonet	Metal Screw		Quicklock
IP Rating (mated)	IP40		IP65/67/69K	IP68/69K	IP68
Dielectric Material	Thermoplastic				
Housing Material	Brass or Zinc Die-Cast, Nickel Plated, or Thermoplastic				Thermoplastic
Contact Plating	Silver/Gold				
Shieldable	Yes	No	Yes	Yes (360° Shielding)	No
Contact Termination	Solder, Crimp				
Contact Types	Machined; Stamped & Formed; Solder and PC Tail				
AWG Range	18 thru 28AWG				
Insulation Resistance	> 10 <sup>10</sup> Ω				
Contact Resistance	< 5mΩ				
Mating Cycles	Silver ≥ 500; Gold ≥1000				
Flammability	UL 94 V0				
Corrosion Resistance	N/A	N/A	720h (Salt Spray)		N/A

**For more information, contact:** Customer Service, +1 800 394 7732, [csr@amphenol-sine.com](mailto:csr@amphenol-sine.com)

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