

# C091 M16 - Quicklock



## Advantages

Optimal for outdoor use

- No corrosion issues due to the plastic housing
- IP68 rating, sealed against the ingress of water

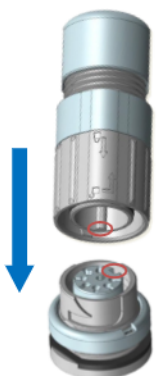
The Quicklock system enables

- easy handling
- significant time savings during the plugging process
- a secure connection confirmed by click sound of the locking mechanism

## Areas of Application

- Measuring instruments and equipment
- Factory automation
- Drive systems and components
- Lighting technology
- Entertainment industry
- CCTV / security and camera surveillance
- Signal and low power transmission for various other applications

## Quicklock System



1.

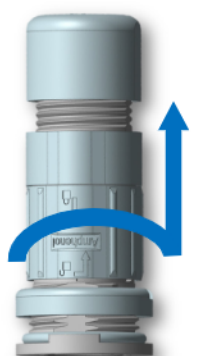
To bring the connector together with the receptacle, the nose and recess must point in the same direction

2.

The connector can now be inserted, it locks into the receptacle by itself (confirmation by click sound)

3.

To release the connection the plastic ring must be turned by 30° and the connector can be removed



## Characteristics

number of contacts	3	4	5a	5b	6	7a	7b	8	12	14a	14b	19
rated voltage	150V		100V	32V	100V			32V				
current rating	10A / +40C		7A / +40C					3A / +40C				
pollution degree	3											
temperature range	-40C to +100C											
IP degree	IP 68 (in mated condition)											
insertion forces	25N	30N	35N		50N	55N	60N	50N			60N	
mechanical operation	silver > 500 mating cycles / gold > 1000 mating cycles											
housing material	thermoplastic											
dielectric material	thermoplastic											
sealing material	chlororene, silicone											
contact plating	silver or gold											
termination technique	solder / crimp										solder	
wire gauge	solder < 0,5mm								< 0,35mm			
flammability	UL 94 VO											
locking system	Quicklock System											

## Check out our Signal|Mate C091 product range!

				
M16 - A	M16 - B	M16 - Q	M16 - D	M16 - D+
Unshielded (EMC)			Shielded	360° Shielding
IP40 – not sealed		IP68	IP65, IP67, IP69K	IP68, IP69K
Screw locking	Bayonet	Quicklock	Screw locking	

Find more details and order codes on our website:  
<https://www.amphenol-industrial.de/en/C091-M16-Circular-Connectors>