

C091 M16 - Quicklock



Advantages

Optimal for outdoor use

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

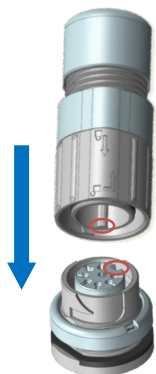
The Quicklock system enables

- 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.

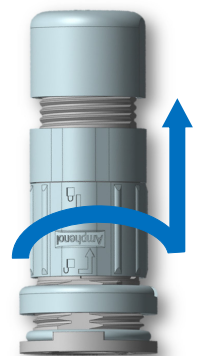
To bring the connector together with the receptacle, the nose and recess must point in the same direction

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+
shieldable	not shieldable (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>

Male cable connector

No. of cont.	4-8 mm cable diameter			8-10,5 mm cable diameter		
	Part number silver plating	termination gold plating	Part number crimp termination	Part number silver plating	termination gold plating	Part number crimp termination
Straight						
2	C09131H002 100 5 U	C09131H002 200 5 U	C09111H002 000 5 U	C09131H002 102 5 U	C09131H002 202 5 U	C09111H002 002 5 U
3	C09131H003 100 5 U	C09131H003 200 5 U	C09111H003 000 5 U	C09131H003 102 5 U	C09131H003 202 5 U	C09111H003 002 5 U
4	C09131H004 100 5 U	C09131H004 200 5 U	C09111H004 000 5 U	C09131H004 102 5 U	C09131H004 202 5 U	C09111H004 002 5 U
5a	C09131H005 100 5 U	C09131H005 200 5 U	C09111H005 000 5 U	C09131H005 102 5 U	C09131H005 202 5 U	C09111H005 002 5 U
5b	C09131H105 100 5 U	C09131H105 200 5 U	C09111H105 000 5 U	C09131H105 102 5 U	C09131H105 202 5 U	C09111H105 002 5 U
6	C09131H006 100 5 U	C09131H006 200 5 U	C09111H006 000 5 U	C09131H006 102 5 U	C09131H006 202 5 U	C09111H006 002 5 U
7a	C09131H007 100 5 U	C09131H007 200 5 U	C09111H007 000 5 U	C09131H007 102 5 U	C09131H007 202 5 U	C09111H007 002 5 U
7b	C09131H107 100 5 U	C09131H107 200 5 U	C09111H107 000 5 U	C09131H107 102 5 U	C09131H107 202 5 U	C09111H107 002 5 U
8	C09131H008 100 5 U	C09131H008 200 5 U	C09111H008 000 5 U	C09131H008 102 5 U	C09131H008 202 5 U	C09111H008 002 5 U
12	C09131H012 100 5 U	C09131H012 200 5 U	C09111H012 000 5 U	C09131H012 102 5 U	C09131H012 202 5 U	C09111H012 002 5 U
14a	C09131H014 100 5 U	C09131H014 200 5 U	C09111H014 000 5 U	C09131H014 102 5 U	C09131H014 202 5 U	C09111H014 002 5 U
14b	C09131H114 100 5 U	C09131H114 200 5 U		C09131H114 102 5 U	C09131H114 202 5 U	
19	C09131H019 100 5 U	C09131H019 200 5 U		C09131H019 102 5 U	C09131H019 202 5 U	

Female receptacle

No. of cont.	with ring nut			with hex nut		
	Part number silver plating	termination gold plating	Part number crimp termination	Part number silver plating	termination gold plating	Part number crimp termination
Straight						
2	C09131G002 100 5 U	C09131G002 200 5 U	C09111G002 000 5 U	C09131G002 109 5 U	C09131G002 209 5 U	C09111G002 009 5 U
3	C09131G003 100 5 U	C09131G003 200 5 U	C09111G003 000 5 U	C09131G003 109 5 U	C09131G003 209 5 U	C09111G003 009 5 U
4	C09131G004 100 5 U	C09131G004 200 5 U	C09111G004 000 5 U	C09131G004 109 5 U	C09131G004 209 5 U	C09111G004 009 5 U
5a	C09131G005 100 5 U	C09131G005 200 5 U	C09111G005 000 5 U	C09131G005 109 5 U	C09131G005 209 5 U	C09111G005 009 5 U
5b	C09131G105 100 5 U	C09131G105 200 5 U	C09111G105 000 5 U	C09131G105 109 5 U	C09131G105 209 5 U	C09111G105 009 5 U
6	C09131G006 100 5 U	C09131G006 200 5 U	C09111G006 000 5 U	C09131G006 100 5 U	C09131G006 200 5 U	C09111G006 000 5 U
7a	C09131G007 100 5 U	C09131G007 200 5 U	C09111G007 000 5 U	C09131G007 109 5 U	C09131G007 209 5 U	C09111G007 009 5 U
7b	C09131G107 100 5 U	C09131G107 200 5 U	C09111G107 000 5 U	C09131G107 109 5 U	C09131G107 209 5 U	C09111G107 009 5 U
8	C09131G008 100 5 U	C09131G008 200 5 U	C09111G008 000 5 U	C09131G008 109 5 U	C09131G008 209 5 U	C09111G008 009 5 U
12	C09131G012 100 5 U	C09131G012 200 5 U	C09111G012 000 5 U	C09131G012 109 5 U	C09131G012 209 5 U	C09111G012 009 5 U
14a	C09131G014 100 5 U	C09131G014 200 5 U	C09111G014 000 5 U	C09131G014 109 5 U	C09131G014 209 5 U	C09111G014 009 5 U
14b	C09131G114 100 5 U	C09131G114 200 5 U		C09131G114 109 5 U	C09131G114 209 5 U	
19	C09131G019 100 5 U	C09131G019 200 5 U		C09131G019 109 5 U	C09131G019 209 5 U	

*Crimp contacts have to be ordered separately. Please check our standard catalogue on p. 56 to find the part numbers.