

| **Round plug connectors**
Food & Beverage



| M8

| M12

| M12 Steel

| Valve Plug

| 7/8"



Connectors

for the high demands of the
Food & Beverage industry

A CLEAN SOLUTION

Food & Beverage



HIGH DEMANDS OF THE FOOD & BEVERAGE INDUSTRY

The food & beverage industry is extremely demanding for the products and components that are used in association with hygiene, cleanliness and corrosion protection. That's why stainless steel is the main material that is used in food & beverage production systems; it offers important protection and guarantees reliability.

Murrelektronik provides a wide range of connectors that meet the extreme requirements in the food & beverage industry.

All Murrelektronik connectors are based on proven technologies. Metal parts of the connectors designed specifically for the food & beverage industry have been replaced with stainless steel, ensuring the highest corrosion protection. The light color connector covers make it easy to notice dirt and mold. Plugs and cables are made of a plastic material that fulfills all demands of the food & beverage industry.

Murrelektronik recommends the extremely rugged M12 Steel connector for applications with frequent high-pressure wash downs. It has a stainless steel housing, can be washed down with acidic and caustic cleaning agents, and is suitable for a temperature range up to 105° C (220° F). These features make it suitable even for the toughest requirements.

All Murrelektronik connectors for the food & beverage industry are tested according to ECOLAB procedures so they are guaranteed to meet the highest requirements regarding non-leakage and corrosion resistance.

ROUND PLUG CONNECTOR M8

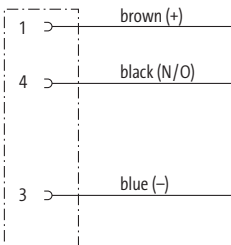
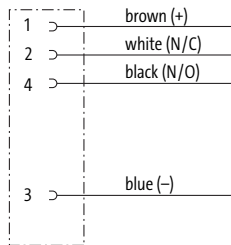


With open ended wires

- V4A nut
- Protection IP65/68

Approvals:  **ECOLAB**

Female
straight



1 Form	No.	08041	08061
Configuration		3-pole	4-pole
Circuit diagram			
Contact layout		Female 	Female 
2 Cable type	Jacket color	gray	gray
Wire diameter 0.25 mm ² PVC		210	211
3 Cable length			
1.5 m		0150	
3.0 m		0300	
5.0 m		0500	
7.5 m		0750	
10.0 m		1000	
Article no.			
		7 0 1 4 - - - - -	- - - - -
		1 Form	2 Cable type 3 Cable length
Notes			
		Differing cable lengths on request.	

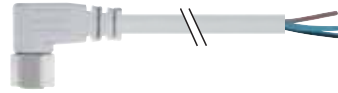
ROUND PLUG CONNECTOR M8

With open ended wires

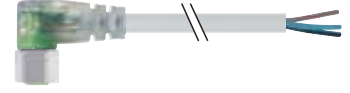
- V4A nut
- Protection IP65/68

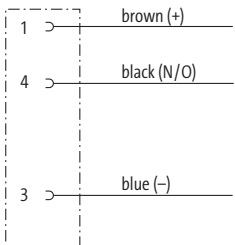
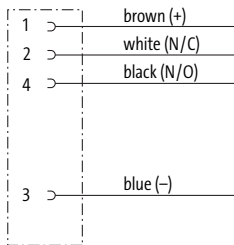
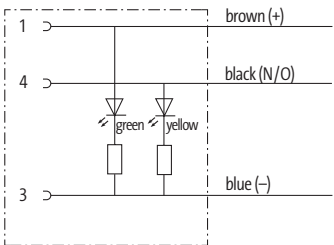
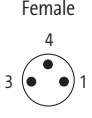
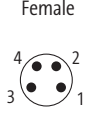
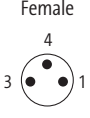
Approvals:  **ECOLAB**

Female
90°



Female
90°, with LED



1 Form	No.	08081	08101	08121
Configuration		3-pole	4-pole	3-pole, with 2 x LED (PNP)
Circuit diagram				 (NPN) on request
Contact layout		Female 	Female 	Female 
2 Cable type	Jacket color	gray	gray	gray
Wire diameter 0.25 mm ² PVC		210	211	210
3 Cable length		0150	0300	0500
1.5 m		0750	1000	
3.0 m				
5.0 m				
7.5 m				
10.0 m				
Article no.		7 0 1 4 - - - - -		
		1 Form	2 Cable type	3 Cable length
Notes	Differing cable lengths on request.			

ROUND PLUG CONNECTOR M12

With open ended wires

- V4A nut
- Protection IP65/68

Approvals:  **ECOLAB**

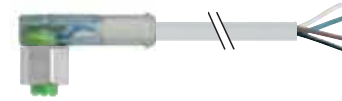
Female
straight

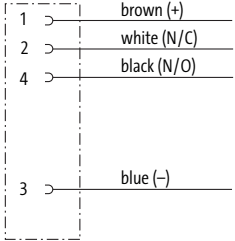
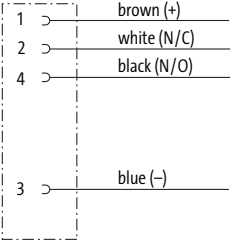
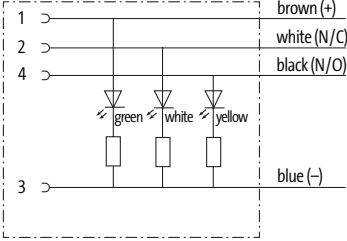





Female
90°



Female
90°, with LED



1 Form	No.	12221	12341	12421
Configuration		4-pole	4-pole	4-pole with 3 x LED (PNP)
Circuit diagram				 <p>(NPN) on request</p>
Contact layout		<p>Female</p> 	<p>Female</p> 	<p>Female</p> 
2 Cable type	Jacket color	gray	gray	gray
Wire diameter 0.34 mm ²		214	214	214
PVC				
3 Cable length				
1.5 m		0150		
3.0 m		0300		
5.0 m		0500		
7.5 m		0750		
10.0 m		1000		
Article no.				
		7 0 1 4 - - - - -		
		1	2	3
		Form	Cable type	Cable length
Notes		Differing cable lengths on request.		

ROUND PLUG CONNECTOR M12

With open ended wires

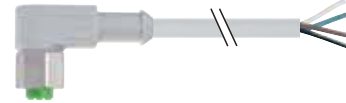
- shielded
- V4A nut
- Protection IP65/68

Approvals: 

Female
straight



Female
90°



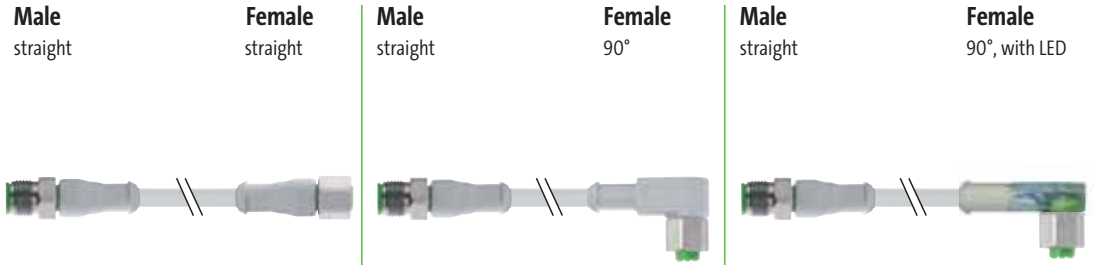
1 Form	No.	13221	13281
Configuration		5-pole	5-pole
Circuit diagram			
Contact layout		<p>Female</p>	<p>Female</p>
2 Cable type	Jacket color	gray	gray
Wire diameter 0.34 mm ²		348	348
PVC			
3 Cable length			
1.5 m		0150	
3.0 m		0300	
5.0 m		0500	
7.5 m		0750	
10.0 m		1000	
Article no.			
		7 0 1 4 - - - - -	- - - - -
		1 Form	2 Cable type
			3 Cable length
Notes		Differing cable lengths on request.	

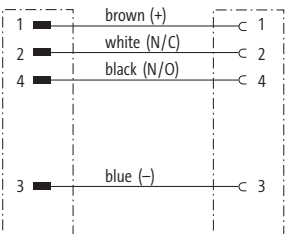
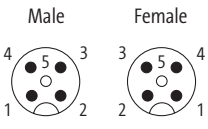
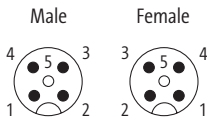
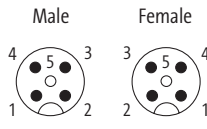
ROUND PLUG CONNECTOR M12

Connection cables

- M12 - M12
- V4A nut/screw
- Protection IP65/68

Approvals: 



1 Form	No.	40021	40121	40341
Configuration		4 pole	4 pole	4 pole with 3 x LED (PNP)
Circuit diagram				 <p>(NPN) on request</p>
Contact layout				
2 Cable type	Jacket color			
Wire diameter 0.34 mm ² PVC	gray 214	gray 214	gray 214	gray 214
3 Cable length				
1.5 m	0150			
3.0 m	0300			
5.0 m	0500			
7.5 m	0750			
10.0 m	1000			
Article no.				
	7 0 1 4 - _____ - _____ - _____			
	1	2	3	
	Form	Cable type	Cable length	
Notes	Differing cable lengths on request.			

ROUND PLUG CONNECTOR M12 STEEL

With open ended wires/
Connection cables

- V4A housing
- Protection IP68/69K

Approvals:  **ECOLAB**

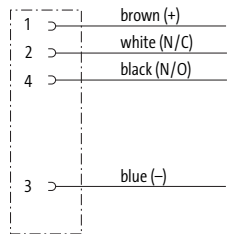
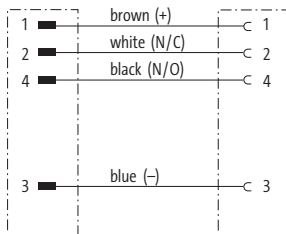

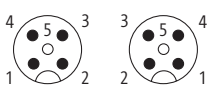
With open ended wires
Female
straight



Connection cables (M12 - M12)
Male
straight

Female
straight



1 Form	No. 12221	40021
Configuration	4 pole	4 pole
Circuit diagram		
Contact layout	<p>Female</p> 	<p>Male Female</p> 
2 Cable type	Jacket color	Jacket color
Wire diameter 0.34 mm ²	gray	gray
PVC	214	214
TPE-S	336	336
3 Cable length		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
Article no.	<p><u>7</u> <u>0</u> <u>4</u> <u>4</u> - - - - - - - - - -</p>	
	1 Form	2 Cable type
		3 Cable length
Notes	Differing cable lengths on request.	

ROUND PLUG CONNECTOR M12

Field-wireable

- insulation displacement technology
- V2A nut
- Protection IP67

Male
straight



Female
straight



Female
90°



1 Form	No.	12481	12601	12681
Configuration		4-pole	4-pole	4-pole
Circuit diagram				
Wire diameter		0.25...0.5 mm ²	0.25...0.5 mm ²	0.25...0.5 mm ²
Contact layout		<p>Male</p>	<p>Female</p>	<p>Female</p>
Technical data				
Supply voltage		max. 32 V		
Nominal current		max. 3 A		
Voltage isolation		500 V		
Conductor diameter		≥ 0.1 mm (acc. to DIN VDE 0812)		
Outer wire diameter		1.2...1.6 mm		
Outer cable diameter		4...5.1 mm		
Wire isolation		PVC, PP, TPE		
Connection frequency		10		
Protection		IP67 when plugged and screwed down (EN 60529)		
Temperature range		-25...+85 °C (-13...+185 °F)		
Combustibility acc. to UL 94		V0		
Article no.				
7 0 0 2 - _ _ _ _ - 0 0 0 0 0 0 0				
1 Form				
Notes				

VALVE PLUG

With open ended wires

- V4A connecting screw
- Protection IP65/68/69K

Approvals:  **ECOLAB**

Form A (18 mm)



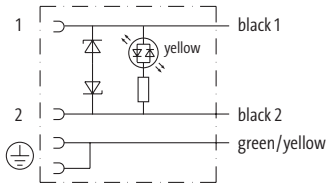
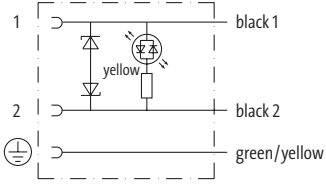
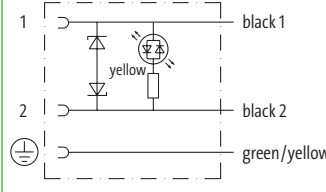
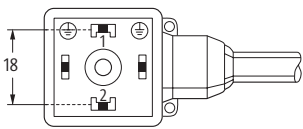
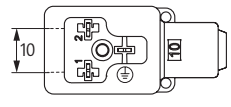
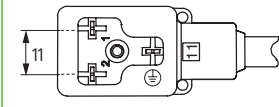
Form B (10 mm)



Form BI (11 mm)

Industrial standard



1 Form	No.	18021	10021	11021
Configuration		24 V AC/DC with LED and suppression	24 V AC/DC with LED and suppression	24 V AC/DC with LED and suppression
Circuit diagram				
Contact layout				
2 Cable type	Jacket color			
Wire diameter 0.75 mm ² PVC		gray 216	gray 216	gray 216
3 Cable length				
1.5 m		0150		
3.0 m		0300		
5.0 m		0500		
7.5 m		0750		
10.0 m		1000		
Article no.				
		7 0 1 4 - - - - -		
		1 Form	2 Cable type	3 Cable length
Notes		Differing cable lengths on request.		

VALVE PLUG

With open ended wires

- V4A connecting screw
- Protection IP65/68/69K

Approvals:  **ECOLAB**

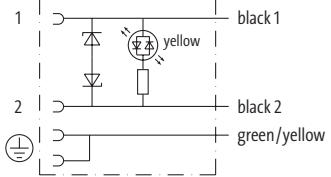
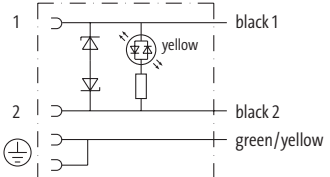
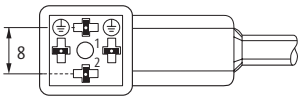
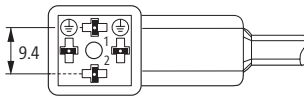
Form C (8 mm)



Form CI (9,4 mm)

Industrial standard



1 Form	No.	80021	94021
Configuration	24 V AC/DC with LED and suppression		24 V AC/DC with LED and suppression
Circuit diagram			
Contact layout			
2 Cable type	Jacket color	gray	gray
Wire diameter 0.75 mm ² PVC	216	216	
3 Cable length		0150	0300
1.5 m		0500	0750
3.0 m		1000	
5.0 m			
7.5 m			
10.0 m			
Article no.	7 0 1 4 - - - - -		
	1 Form	2 Cable type	3 Cable length
Notes	Differing cable lengths on request.		

ROUND PLUG CONNECTOR 7/8"

With open ended wires

- V2A nut
- Protection IP65/68

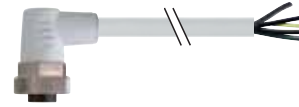
Approvals:



Female
straight



Female
90°



1 Form	No. 78021	78051
Configuration	5-pole Power cable	5-pole Power cable
Circuit diagram		
Contact layout	<p>Female</p>	<p>Female</p>
2 Cable type	Jacket color	Jacket color
Wire diameter 1.5 mm ² PUR, suitable for C-tracks (UL/CSA)	gray 961	gray 961
3 Cable length		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
Article no.	<p><u>7</u> <u>0</u> <u>1</u> <u>2</u> - - - - - - - - - -</p>	
	1 Form	2 Cable type 3 Cable length
Notes	Differing cable lengths on request.	

ROUND PLUG CONNECTOR 7/8"

Field-wireable

- insulation displacement technology
- V2A nut
- Protection IP67

Female
straight



1	Form	No. 78211
	Configuration	5-pole
	Circuit diagram	
	Wire diameter	0.75...1.5 mm ²
	Contact layout	<p>Female</p>
Technical data		
	Supply voltage	230/400 V AC/DC
	Nominal current	max. 10 A
	Conductor diameter	≥ 0.15 mm (acc. to DIN VDE 0812)
	Outer wire diameter	≤ 2.8 mm
	Outer cable diameter	6.8...12.5 mm
	Wire isolation	PVC, PP, TPE
	Connection frequency	10
	Protection	IP67 when plugged and screwed down (EN 60529)
	Temperature range	-25...+85 °C (-13...+185 °F)
Article no.		
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		1 Form
Notes		



stay connected

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