

# PLUG CONNECTORS FOR FOOD & BEVERAGE

- Made with stainless steel
- Food grade quality
- High protection degree

## MEETS DEMANDING HYGIENIC STANDARDS

The food and beverage industry needs an extremely clean environment – perfect hygiene is required. Products and components have to be highly resistant and handle tough environments. Murrelektronik offers a wide connector range for this industry and each product meets the tough requirements. All metal parts are made of stainless steel and the cables feature a PVC or TPE-S jacket.

Murrelektronik is closely connected to this industry and can fulfill all the important requirements of the food and beverage industry. And Murrelektronik offers even more:

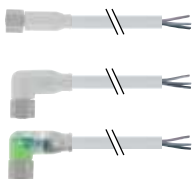
- System solutions
- Comprehensive diagnostic options
- Vibration-proof products
- Excellent logistics for fast deliveries
- Specialists with industry-specific knowledge

**ECOLAB**<sup>®</sup>



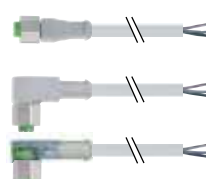
**STAINLESS STEEL**

## With Open Ended Wires



- M8 female**
- Straight
  - 90°
  - 90° with LED

Page 3.7.1



- M12 female**
- Straight
  - 90°
  - 90° with LED

Page 3.7.4



- M12 Steel female**
- Straight

Page 3.7.7



- Valve Connectors**
- Form A (18 mm)
  - Form B (10 mm)
  - Form BI (11 mm)
  - Form C (8 mm)
  - Form CI (9.4 mm)

Page 3.7.8

## Connection Cables

		<p><b>M12 male</b></p> <ul style="list-style-type: none"> <li>• Straight</li> </ul>	<p><b>M12 female</b></p> <ul style="list-style-type: none"> <li>• Straight</li> <li>• 90°</li> <li>• 90° with LED</li> </ul>
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*Page 3.7.11*

		<p><b>M12 Steel male</b></p> <ul style="list-style-type: none"> <li>• Straight</li> </ul>	<p><b>M12 Steel female</b></p> <ul style="list-style-type: none"> <li>• Straight</li> </ul>
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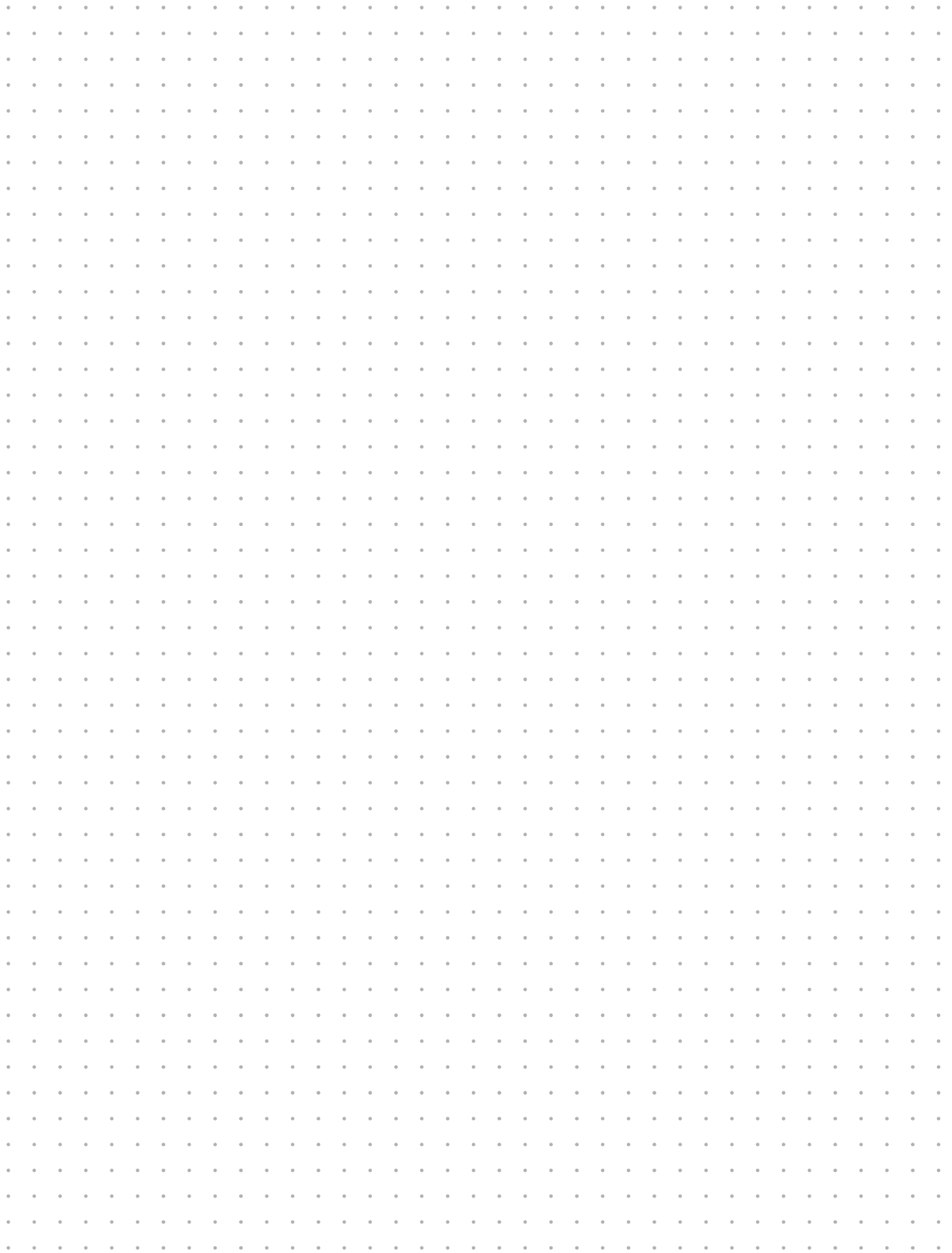
*Page 3.7.13*

## Field-Wireable

	<p><b>Insulation Displacement Technology</b></p>	<p><b>M12 male</b></p> <ul style="list-style-type: none"> <li>• Straight</li> </ul> <p><b>M12 female</b></p> <ul style="list-style-type: none"> <li>• Straight</li> <li>• 90°</li> </ul>	<p style="text-align: right;"><i>Page 3.7.14</i></p>
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	<p><b>Screw Terminals</b></p>	<p><b>M12 male/female</b></p> <ul style="list-style-type: none"> <li>• Straight</li> <li>• 90°</li> </ul>	<p style="text-align: right;"><i>Page 3.7.15</i></p>
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# NOTES



# PLUG CONNECTORS FOR FOOD & BEVERAGE

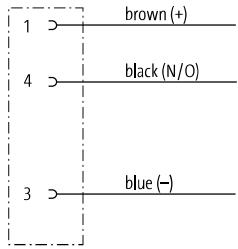
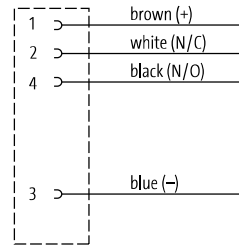


Open ended wires

- M8
- Stainless Steel 1.4404 (V4A)

Approvals: 

Female  
straight



1 Form		08041	08061
Type		3-pole	4-pole
Circuit diagram			
Contact layout		<p>Female</p> 	<p>Female</p> 
2 Cable Type		Jacket Color	Jacket Color
Wire diameter 0.25 mm <sup>2</sup> PVC (UL/CSA)		gray 210	gray 211
3 Cable Length			
1.5 m		0150	
3.0 m		0300	
5.0 m		0500	
7.5 m		0750	
10.0 m		1000	
Technical Data			
Operating voltage		max. 60 V AC/DC	max. 30 V AC/DC
Protection		IP65, IP67, IP68 inserted and tightened (EN 60529)	
Temperature range		-25...+85 °C	
Article No.			
The composition of your article number is explained on page 3.1.i		<p><b>7 0 1 4</b> - - - - - - - - - -</p>	
		<b>1</b> Form	<b>2</b> Cable Type
			<b>3</b> Cable Length
Notes		Other versions on request. Further cable lengths on request.	

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

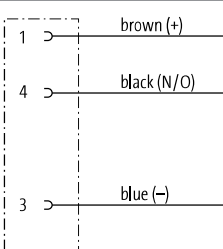
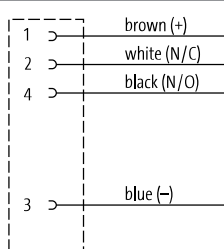


– M8

– Stainless Steel 1.4404 (V4A)

Approvals:  

Female  
90°



1 Form		08081	08101
Type		3-pole	4-pole
Circuit diagram			
Contact layout		Female 	Female 
2 Cable Type		Jacket Color	Jacket Color
Wire diameter 0.25 mm <sup>2</sup>		gray	gray
PVC (UL/CSA)		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	
Technical Data			
Operating voltage		max. 60 V AC/DC	max. 30 V AC/DC
Protection		IP65, IP67, IP68 inserted and tightened (EN 60529)	
Temperature range		-25...+85 °C	
Article No.			
The composition of your article number is explained on page 3.1.i		<u>7</u> <u>0</u> <u>1</u> <u>4</u> - - - - - - - - - -	- - - - -
		<b>1</b> Form	<b>2</b> Cable Type <b>3</b> Cable Length
Notes		Other versions on request. Further cable lengths on request.	

Plug Connectors for Food & Beverage

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

- M8
- Stainless Steel 1.4404 (V4A)

Approvals: 

**Female**  
90° with LED



<b>1 Form</b>		<b>08121</b>														
Type	3-pole with 2 x LED (PNP) (NPN) on request															
Circuit diagram																
Contact layout	<p>Female</p>															
<b>2 Cable Type</b>		<b>Jacket Color</b>														
Wire diameter 0.25 mm <sup>2</sup> PVC (UL/CSA)	<table border="1"> <tr> <td>gray</td> </tr> <tr> <td>210</td> </tr> </table>			gray	210											
gray																
210																
<b>3 Cable Length</b>																
1.5 m	0150															
3.0 m	0300															
5.0 m	0500															
7.5 m	0750															
10.0 m	1000															
<b>Technical Data</b>																
Operating voltage	24 V DC ±25 %															
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)															
Temperature range	-25...+85 °C															
<b>Article No.</b>																
The composition of your article number is explained on page 3.1.i	<table border="1"> <tr> <td><u>7</u></td> <td><u>0</u></td> <td><u>1</u></td> <td><u>4</u></td> <td>-</td> <td><u>0</u></td> <td><u>8</u></td> <td><u>1</u></td> <td><u>2</u></td> <td><u>1</u></td> <td>-</td> <td>---</td> <td>---</td> </tr> </table>			<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>0</u>	<u>8</u>	<u>1</u>	<u>2</u>	<u>1</u>	-	---	---
<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>0</u>	<u>8</u>	<u>1</u>	<u>2</u>	<u>1</u>	-	---	---				
	<b>1 Form</b>		<b>2 Cable Type</b>		<b>3 Cable Length</b>											
<b>Notes</b>		Other versions on request. Further cable lengths on request.														

# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Open ended wires

- M12
- Stainless Steel 1.4404 (V4A)
- Profile gasket

Approvals: 

Female  
straight



Female  
90°



### 1 Form

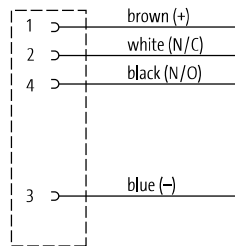
**1 2 2 2 1**

**1 2 3 4 1**

Type  
Circuit diagram

4-pole

4-pole



Contact layout

Female



### 2 Cable Type

Jacket Color

Jacket Color

Wire diameter 0.34 mm<sup>2</sup>  
PVC (UL/CSA)

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

### Technical Data

Operating voltage	max. 250 V AC/DC
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)
Temperature range	-25...+85 °C

### Article No.

The composition of your article number is explained on page 3.1.i

**7 0 1 4** - - - - -

**1** Form

**2** Cable Type

**3** Cable Length

Notes

Other versions on request. Further cable lengths on request.

# PLUG CONNECTORS FOR FOOD & BEVERAGE

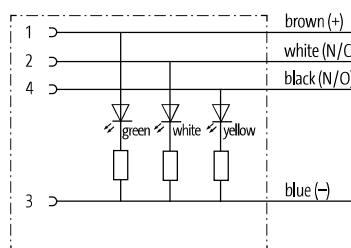

## Open ended wires

- M12
- Stainless Steel 1.4404 (V4A)
- Profile gasket

Approvals: 

**Female**  
90° with LED



<b>1 Form</b>		<b>12421</b>														
Type	4-pole with 3 × LED (PNP) (NPN) on request															
Circuit diagram																
Contact layout	<p>Female</p> 															
<b>2 Cable Type</b>		<b>Jacket Color</b>														
Wire diameter 0.34 mm <sup>2</sup> PVC (UL/CSA)	<table border="1"> <tr> <td>gray</td> </tr> <tr> <td>214</td> </tr> </table>			gray	214											
gray																
214																
<b>3 Cable Length</b>																
1.5 m	0150															
3.0 m	0300															
5.0 m	0500															
7.5 m	0750															
10.0 m	1000															
<b>Technical Data</b>																
Operating voltage	24 V DC ±25 %															
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)															
Temperature range	-25...+85 °C															
<b>Article No.</b>																
The composition of your article number is explained on page 3.1.i	<table border="1"> <tr> <td><u>7</u></td> <td><u>0</u></td> <td><u>1</u></td> <td><u>4</u></td> <td>-</td> <td><u>1</u></td> <td><u>2</u></td> <td><u>4</u></td> <td><u>2</u></td> <td><u>1</u></td> <td>-</td> <td>---</td> <td>---</td> </tr> </table>			<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>1</u>	<u>2</u>	<u>4</u>	<u>2</u>	<u>1</u>	-	---	---
<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>1</u>	<u>2</u>	<u>4</u>	<u>2</u>	<u>1</u>	-	---	---				
	<b>1 Form</b>		<b>2 Cable Type</b>		<b>3 Cable Length</b>											
<b>Notes</b>		Other versions on request. Further cable lengths on request.														



# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Open ended wires

- M12, shielded
- Stainless Steel 1.4404 (V4A)
- Profile gasket

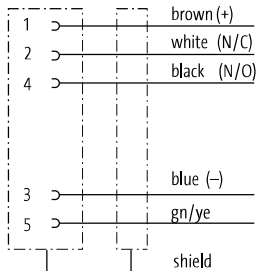

Approvals: 

Female  
straight



Female  
90°



<b>1 Form</b>	<b>13221</b>	<b>13281</b>
	Type 5-pole	Type 5-pole
Circuit diagram		
Contact layout	<p>Female</p> 	
<b>2 Cable Type</b>	<b>Jacket Color</b>	<b>Jacket Color</b>
Wire diameter 0.34 mm <sup>2</sup> PVC	gray 348	gray 348
<b>3 Cable Length</b>		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
<b>Technical Data</b>		
Operating voltage	max. 60 V AC/DC	
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)	
Temperature range	-25...+85 °C	
<b>Article No.</b>		
The composition of your article number is explained on page 3.1.i	<p><u>7 0 1 4</u> -</p>	
	<b>1 Form</b>	<b>2 Cable Type</b> <b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.	

Plug Connectors for Food & Beverage

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

– M12-Steel

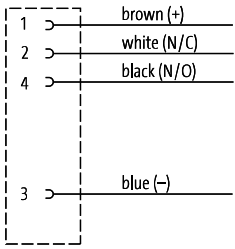

– Stainless Steel 1.4404 (V4A)

Approvals:   

Female

straight



<b>1 Form</b>		<b>12221</b>	
Type	4-pole		
Circuit diagram			
Contact layout	Female 		
<b>2 Cable Type</b>		<b>Jacket Color</b>	
Wire diameter 0.34 mm <sup>2</sup>		gray	
PVC (UL/CSA)		214	
TPE-S		336	
<b>3 Cable Length</b>			
1.5 m		0150	
3.0 m		0300	
5.0 m		0500	
7.5 m		0750	
10.0 m		1000	
<b>Technical Data</b>			
Operating voltage	max. 32 V AC/DC		
Protection	IP65, IP68, IP69K when plugged and screwed down (EN 60529)		
Temperature range	-40...+85 °C		
<b>Article No.</b>			
The composition of your article number is explained on page 3.1.i	7 0 4 4 - 1 2 2 2 1 - - - - -		
	<b>1 Form</b>	<b>2 Cable Type</b>	<b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.		

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

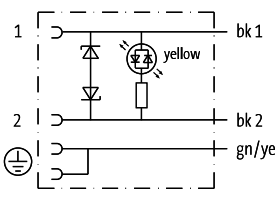
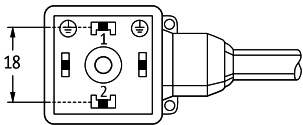
– Valve Connectors

– Screw, Stainless Steel 1.4404 (V4A)

Form A (18 mm)



Approvals:   

<b>1 Form</b>	<b>18021</b>																												
	<p>Type: 24 V AC/DC</p> <p>LED and suppression</p> <p>Circuit diagram</p>  <p>Contact layout</p> 																												
<b>2 Cable Type</b>	<b>Jacket Color</b>																												
Wire diameter 0.75 mm <sup>2</sup> PVC	gray 216																												
<b>3 Cable Length</b>																													
1.5 m	0150																												
3.0 m	0300																												
5.0 m	0500																												
7.5 m	0750																												
10.0 m	1000																												
<b>Technical Data</b>																													
Operating voltage	24 V AC/DC ±25 %																												
Protection	IP65, IP68, IP69K when plugged and screwed down (EN 60529)																												
Temperature range	-25...+85 °C																												
<b>Article No.</b>																													
The composition of your article number is explained on page 3.1.i	<table border="1"> <tr> <td><u>7</u></td> <td><u>0</u></td> <td><u>1</u></td> <td><u>4</u></td> <td>-</td> <td><u>1</u></td> <td><u>8</u></td> <td><u>0</u></td> <td><u>2</u></td> <td><u>1</u></td> <td>-</td> <td>---</td> <td>---</td> </tr> <tr> <td colspan="3"></td> <td><b>1</b></td> <td>Form</td> <td colspan="3"></td> <td><b>2</b></td> <td>Cable Type</td> <td colspan="3"></td> <td><b>3</b></td> <td>Cable Length</td> </tr> </table>	<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>1</u>	<u>8</u>	<u>0</u>	<u>2</u>	<u>1</u>	-	---	---				<b>1</b>	Form				<b>2</b>	Cable Type				<b>3</b>	Cable Length
<u>7</u>	<u>0</u>	<u>1</u>	<u>4</u>	-	<u>1</u>	<u>8</u>	<u>0</u>	<u>2</u>	<u>1</u>	-	---	---																	
			<b>1</b>	Form				<b>2</b>	Cable Type				<b>3</b>	Cable Length															
<b>Notes</b>	Other versions on request. Further cable lengths on request.																												

Plug Connectors for Food & Beverage

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

– Valve Connectors

– Screw, Stainless Steel 1.4404 (V4A)

Form B (10 mm)



Form BI (11 mm)

Industrial standard



Approvals: **SP** <sup>US</sup> **ECOLAB**

1 Form	10021	11021
Type	24 V AC/DC LED and suppression	24 V AC/DC LED and suppression
Circuit diagram		
Contact layout		
<b>2 Cable Type</b>	<b>Jacket Color</b>	<b>Jacket Color</b>
Wire diameter 0.75 mm <sup>2</sup> PVC	gray 216	gray 216
<b>3 Cable Length</b>		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
<b>Technical Data</b>		
Operating voltage	24 V AC/DC ±25 %	
Protection	IP65, IP68, IP69K when plugged and screwed down (EN 60529)	
Temperature range	-25...+85 °C	
<b>Article No.</b>		
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> <span style="border-bottom: 1px solid black; padding: 0 5px;">7</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">1</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">4</span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> </div>	
	<b>1 Form</b>	<b>2 Cable Type</b>
		<b>3 Cable Length</b>
Notes	Other versions on request. Further cable lengths on request.	

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Open ended wires

– Valve Connectors

– Screw, Stainless Steel 1.4404 (V4A)

Approvals: 

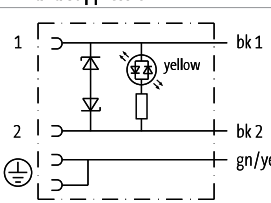
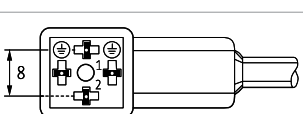
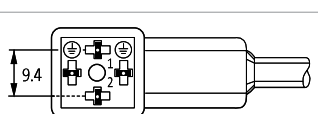
Form C (8 mm)



Form CI (9.4 mm)

Industrial standard



<b>1 Form</b>	<b>80021</b>	<b>94021</b>
	Type 24 V AC/DC LED and suppression	Type 24 V AC/DC LED and suppression
Circuit diagram		
Contact layout		
<b>2 Cable Type</b>	<b>Jacket Color</b>	<b>Jacket Color</b>
Wire diameter 0.75 mm <sup>2</sup> PVC	gray 216	gray 216
<b>3 Cable Length</b>		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
<b>Technical Data</b>		
Operating voltage	24 V AC/DC ±25 %	
Protection	IP65, IP68, IP69K when plugged and screwed down (EN 60529)	
Temperature range	-25...+85 °C	
<b>Article No.</b>		
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> <span style="border-bottom: 1px solid black; padding: 0 5px;">7</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">1</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">4</span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> </div>	
	<b>1 Form</b>	<b>2 Cable Type</b>
		<b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.	

Plug Connectors for Food & Beverage

# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Connection cables

- M12 - M12
- Stainless Steel 1.4404 (V4A)
- Profile gasket

Approvals: 

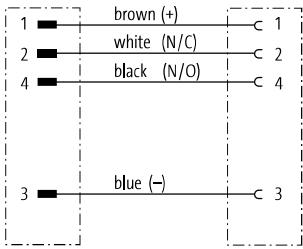
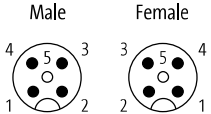
**Male**  
straight

**Female**  
straight

**Male**  
straight

**Female**  
90°



<b>1 Form</b>	<b>40021</b>	<b>40121</b>
Type	4-pole	4-pole
Circuit diagram		
Contact layout		
<b>2 Cable Type</b>	<b>Jacket Color</b>	<b>Jacket Color</b>
Wire diameter 0.34 mm <sup>2</sup> PVC (UL/CSA)	gray 214	gray 214
<b>3 Cable Length</b>		
0.3 m	0030	
0.6 m	0060	
1.0 m	0100	
1.5 m	0150	
2.0 m	0200	
<b>Technical Data</b>		
Operating voltage	max. 250 V AC/DC	
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)	
Temperature range	-25...+85 °C	
<b>Article No.</b>		
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> <span style="border: 1px solid black; padding: 2px 5px;">7</span> <span style="border: 1px solid black; padding: 2px 5px;">0</span> <span style="border: 1px solid black; padding: 2px 5px;">1</span> <span style="border: 1px solid black; padding: 2px 5px;">4</span> <span style="font-size: 2em;">-</span> <span style="border: 1px solid black; padding: 2px 5px;"> </span> <span style="font-size: 2em;">-</span> <span style="border: 1px solid black; padding: 2px 5px;"> </span> <span style="border: 1px solid black; padding: 2px 5px;"> </span> </div>	
	<b>1 Form</b>	<b>2 Cable Type</b>
		<b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.	

# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Connection cables

- M12 - M12
- Stainless Steel 1.4404 (V4A)
- Profile gasket

Approvals: 

## Male

straight

## Female

90° with LED



<b>1 Form</b>	<b>40341</b>	
	Type	4-pole with 3 × LED (PNP) (NPN) on request
Circuit diagram		
Contact layout		
<b>2 Cable Type</b>	<b>Jacket Color</b>	
Wire diameter 0.34 mm <sup>2</sup> PVC (UL/CSA)		gray 214
<b>3 Cable Length</b>		
0.3 m		0030
0.6 m		0060
1.0 m		0100
1.5 m		0150
2.0 m		0200
<b>Technical Data</b>		
Operating voltage	24 V DC ±25 %	
Protection	IP65, IP67, IP68 inserted and tightened (EN 60529)	
Temperature range	-25...+85 °C	
<b>Article No.</b>		
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><u>7</u> <u>0</u> <u>1</u> <u>4</u></span> <span>-</span> <span><u>4</u> <u>0</u> <u>3</u> <u>4</u> <u>1</u></span> <span>-</span> <span>  </span> <span>  </span> </div>	
	<b>1 Form</b>	<b>2 Cable Type</b>
		<b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.	

Plug Connectors for Food & Beverage

# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Connection cables

- M12-Steel
- Stainless Steel 1.4404 (V4A)

**Male**  
straight

**Female**  
straight



Approvals:  

<b>1 Form</b>		<b>40021</b>	
Type	4-pole		
Circuit diagram			
Contact layout	<p>Male      Female</p>		
<b>2 Cable Type</b>		<b>Jacket Color</b>	
Wire diameter 0.34 mm <sup>2</sup>		gray	
PVC (UL/CSA)		214	
TPE-S		336	
<b>3 Cable Length</b>			
0.3 m	0030		
0.6 m	0060		
1.0 m	0100		
1.5 m	0150		
2.0 m	0200		
<b>Technical Data</b>			
Operating voltage	max. 32 V AC/DC		
Protection	IP65, IP68, IP69K when plugged and screwed down (EN 60529)		
Temperature range	-40...+85 °C		
<b>Article No.</b>			
The composition of your article number is explained on page 3.1.i	<p><b>7 0 4 4 - 4 0 0 2 1 - - - -</b></p>		
	<b>1 Form</b>	<b>2 Cable Type</b>	<b>3 Cable Length</b>
<b>Notes</b>	Other versions on request. Further cable lengths on request.		



# PLUG CONNECTORS FOR FOOD & BEVERAGE

## Field-wireable

- M12
- Insulation displacement technology
- Stainless Steel 1.4305 (V2A)

## Male straight



## Female straight



## Female 90°



1 Form	12481	12601	12681		
Type	4-pole	4-pole	4-pole		
Circuit diagram					
Connection cross section					
Contact layout	<p>Male</p>	<p>Female</p>			
<b>Technical Data</b>					
Operating voltage	max. 32 V AC/DC				
Operating current per contact	max. 4 A				
Connection cross section	0.25...0.5 mm <sup>2</sup> (conductor diameter min. 0.1 mm)				
Sealing range (cable diameter)	4...5.1 mm				
Wire isolation	PVC, PP, TPE				
Outer wire diameter	1.2...1.6 mm				
Locking of ports	Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing				
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)				
Locking material	Stainless Steel 1.4305 (V2A)				
Temperature range	-25...+85 °C				
<b>Article No.</b>					
The composition of your article number is explained on page 3.1.i	<u>7</u> <u>0</u> <u>0</u> <u>2</u>	-	-	<u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>
	<b>1</b> Form				
<b>Notes</b>	Other versions on request.				

# PLUG CONNECTORS FOR FOOD & BEVERAGE

Field-wireable

- M12
- Screw terminals
- Stainless Steel 1.4404 (V4A)

**Male**  
straight



**Male**  
90°



**Female**  
straight



**Female**  
90°



1 Form	12761	12881	12961	13041
Type	5-pole	5-pole	5-pole	5-pole
Circuit diagram				
Sealing range (cable diameter)	6...8 mm			
Contact layout	<p>Male</p>		<p>Female</p>	
<b>Technical Data</b>				
Operating voltage	max. 125 V AC/DC			
Operating current per contact	max. 4 A			
Connection cross section	max. 0.75 mm <sup>2</sup>			
Sealing range (cable diameter)	6...8 mm			
Locking of ports	Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing			
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)			
Locking material	Stainless Steel 1.4404 (V4A)			
Temperature range	-25...+85 °C			
<b>Article No.</b>				
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> <span style="border-bottom: 1px solid black; padding: 0 5px;">7</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">4</span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="border-bottom: 1px solid black; padding: 0 5px;"> </span> <span style="font-size: 2em;">-</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> <span style="border-bottom: 1px solid black; padding: 0 5px;">0</span> </div>			
	<b>1 Form</b>			
Notes	Other versions on request.			

## PLUG CONNECTORS FOR FOOD & BEVERAGE

Labeling accessories			Art-No.
	<b>Slip-on cable sleeve</b> for ACS label plates (4 × 18 mm)	Cable diameter (4...6.5 mm)	7000-99004-0000000
	<b>Snap-on cable sleeve</b> for ACS label plates (4 × 18 mm)	Cable diameter (4.2...5.6 mm)	7000-99005-0000000
	for ACS label plates (4 × 18 mm)	Cable diameter (5...7 mm)	7000-99006-0000000
	<b>ACS label plate</b> for self marking (4 × 18 mm)	Cable sleeves	7000-99002-0000000
Mounting accessories			Art-No.
	<b>Torque wrench set</b> M8 (0.4 Nm, AF9)		7000-99101-0000000
	<b>Torque wrench set</b> M12 (0.6 Nm, AF13)	M12 Round Plug Connectors	7000-99102-0000000
	<b>Torque wrench</b> M12 (SW18)		7000-99103-0000000
End fitting accessories			Art-No.
	<b>Tube adapter</b> snap-in for corrugated tube (size 13mm)	Cable diameter (4...7 mm)	7000-99081-0000000

# NOTES

A large grid of small dots for taking notes, consisting of 20 columns and 30 rows.