

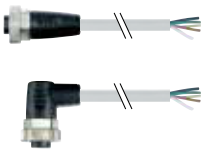
# 7/8" ROUND PLUG CONNECTORS POWERFUL AND SAFE

- Tough and reliable
- Molded connector
- Easy, safe connections with thread

## THE CONNECTOR FOR LARGE POWER TRANSMISSION

Murrelektronik's 7/8" round plug connector is designed for optimum performance and the pre-wired versions can transmit power up to 12 A/contact at max. 400 V AC/DC. Of course, all connectors are 100% tested.

### With Open Ended Wires



**7/8" female**  
• Straight  
• 90°

Page 3.9.1

### Connection Cables



**7/8" male**  
• Straight  
• 90°

**7/8" female**  
• Straight  
• 90°

Page 3.9.2

### Field-Wireable



**Insulation Displacement Technology**

**7/8" male/female**  
• Straight

Page 3.9.3



**Screw Terminals**

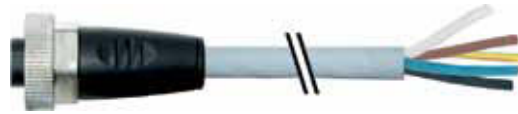
**7/8" male/female**  
• Straight  
• 90°

Page 3.9.4

# 7/8" ROUND PLUG CONNECTORS

Open ended wires

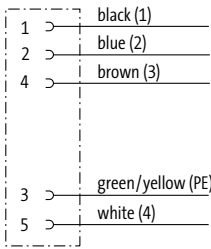
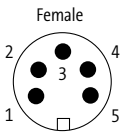
Female  
straight



Female  
90°



Approvals: 

1 Form		78021	78051
Type		5-pole Power cable	5-pole Power cable
Circuit diagram			
Contact layout			
2 Cable Type		Jacket Color	
Wire diameter 1.0 mm <sup>2</sup> PUR/PVC		gray 965	gray 965
Wire diameter 1.5 mm <sup>2</sup> PUR (UL/CSA)		961	961
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. 230/400 V AC/DC	
Protection		IP65 and IP67 when plugged and screwed down (EN 60529)	
Temperature range		-25...+85 °C, depending on cable quality	
Article No.			
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;">0</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> </div>	
		<b>1</b> Form	<b>2</b> Cable Type
			<b>3</b> Cable Length
Notes			
		Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.	

7/8" Round Plug Connectors

# 7/8" ROUND PLUG CONNECTORS

## Connection cables

- 7/8" - 7/8"

Approvals: 

**Male**  
straight

**Female**  
straight

**Male**  
90°

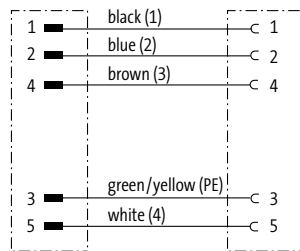
**Female**  
90°



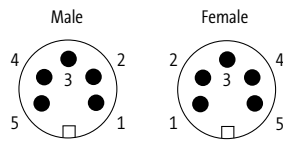
### 1 Form

<b>Form</b>	<b>50021</b>	<b>50051</b>
Type	5-pole Power cable	5-pole Power cable

#### Circuit diagram



#### Contact layout



### 2 Cable Type

Cable Type	Jacket Color	Jacket Color
Wire diameter 1.0 mm <sup>2</sup> PUR/PVC	gray 965	gray 965
Wire diameter 1.5 mm <sup>2</sup> PUR (UL/CSA)	961	961

### 3 Cable Length

0.3 m	<b>0030</b>
0.6 m	<b>0060</b>
1.0 m	<b>0100</b>
1.5 m	<b>0150</b>
2.0 m	<b>0200</b>

### Technical Data

Operating voltage	max. 230/400 V AC/DC
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Temperature range	-25...+85 °C, depending on cable quality

### Article No.

The composition of your article number is explained on page 3.1.i	<b>7 0 0 0</b> - - - - -
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**1** Form      **2** Cable Type      **3** Cable Length

### Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

# 7/8" ROUND PLUG CONNECTORS

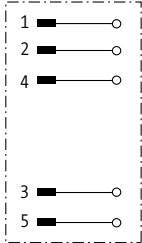
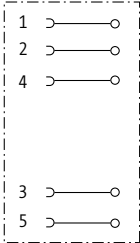
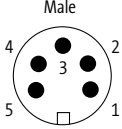
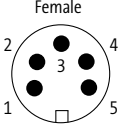
Field-wireable  
– IDC terminals

**Male**  
straight



**Female**  
straight



1 Form	78091	78211
<b>Type</b> <b>Circuit diagram</b>	<b>5-pole</b> 	<b>5-pole</b> 
<b>Connection cross section</b>	<b>0.75...1.5 mm<sup>2</sup></b>	
<b>Contact layout</b>	<b>Male</b> 	<b>Female</b> 
<b>Technical Data</b>		
Operating voltage	max. 230/400 V AC/DC	
Operating current per contact	max. 10 A	
Connection cross section	0.75...1.5 mm <sup>2</sup> (conductor diameter min. 0.15 mm)	
Sealing range (cable diameter)	6.8...9.5 mm	
Wire isolation	PVC, PP, TPE	
Outer wire diameter	max. 2.8 mm	
Locking of ports	Screw thread 7/8" (recommended torque 1.5 Nm) self-securing	
Protection	IP65 and IP67 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	<div style="text-align: 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;">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>   <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>		
<b>Notes</b>	Other versions on request.	

# 7/8" ROUND PLUG CONNECTORS

Field-wireable  
– Screw terminals

Male  
straight



Male  
90°



1 Form	78081	78101	78141		
Type	5-pole	5-pole	5-pole		
Circuit diagram					
Sealing range (cable diameter)	6..8 mm	10...12 mm	6..8 mm		
Contact layout					
<b>Technical Data</b>					
Operating voltage	max. 250 V AC/DC				
Operating current per contact	max. 9 A				
Connection cross section	max. 1.5 mm <sup>2</sup>				
Sealing range (cable diameter)	6..8 mm	10...12 mm	6..8 mm		
Locking of ports	Screw thread 7/8" (recommended torque 1.5 Nm) self-securing				
Protection	IP65 and IP67 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	<u>7</u> <u>0</u> <u>0</u> <u>0</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.					

# 7/8" ROUND PLUG CONNECTORS

Field-wireable

– Screw terminals

Female

straight



Female

90°



1 Form	78201	78221	78261
Type	5-pole	5-pole	5-pole
Circuit diagram			
Sealing range (cable diameter)	6...8 mm	10...12 mm	6...8 mm
Contact layout			
<b>Technical Data</b>			
Operating voltage	max. 250 V AC/DC		
Operating current per contact	max. 9 A		
Connection cross section	max. 1.5 mm <sup>2</sup>		
Sealing range (cable diameter)	6...8 mm	10...12 mm	6...8 mm
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)		
Temperature range	-25...+85 °C		
Locking of ports	Screw thread 7/8" (recommended torque 1.5 Nm) self-securing		
<b>Article No.</b>			
The composition of your article number is explained on page 3.1.i	<p style="text-align: 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;">0</span> <span style="font-size: 1.5em; vertical-align: middle;">-</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: 1.5em; vertical-align: middle;">-</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> </p>		
	<b>1 Form</b>		
Notes	Other versions on request.		

## 7/8" ROUND PLUG CONNECTORS

Connection accessories			Art-No.
	<b>Flange 7/8" male, pre-wired 0.2 m</b> 5-pole	7/8" Round Plug Connectors	7000-78341-9780020
	<b>Flange 7/8" female, pre-wired 0.2 m</b> 5-pole	7/8" Round Plug Connectors	7000-78381-9780020
	<b>T-coupler 7/8"-7/8", female/male</b> 5-pole		7000-50061-0000000
Mounting accessories			Art-No.
	<b>Torque wrench set</b> 7/8" (1.5 Nm, AF22)	IDC terminals	7000-99104-0000000
	<b>Torque wrench</b> 7/8" (SW24)		7000-99097-0000000