

ROUND PLUG CONNECTORS POWER

- Proven and reliable
- Molded and encapsulated plug connector
- Easy and safe connection




PLUG CONNECTOR FOR HIGH POWER TRANSFER

Perfect electrical connection, tightness and media resistance are the basic requirements for all types of plug connectors. In the field of motor connection technology, additional special properties are required: large connection cross-sections, high power with the smallest possible design and – most importantly – integrated anti-vibration locks that keeps the connector securely in place even if severe vibrations occur.

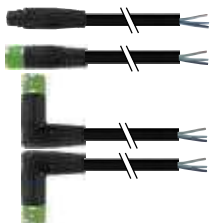
- The **M12 Power** is an extremely compact and performant M12 plug connector.
- The **MQ15 X-Power** enables particularly fast installation.
- The **7/8" round plug connector** has been optimized for highest performance

As a matter of course, all our plug connectors are tested 100%.

M12 Power

	<p>With open ended wires</p>	<p>M12 male/female</p> <ul style="list-style-type: none"> • Straight • K-coded, L-coded, S-coded, T-coded 	<p>Page 3.10.1</p>
	<p>Connection cables</p>	<p>M12 male – M12 female</p> <ul style="list-style-type: none"> • Straight • K-coded, L-coded, S-coded, T-coded 	<p>Page 3.10.5</p>
	<p>Field-wireable Screw terminals</p> <p>Field-wireable Terminals with Insulation Displacement Technology (IDC)</p>	<p>M12 male/female</p> <ul style="list-style-type: none"> • Straight • S-coded, T-coded <p>M12 male/female</p> <ul style="list-style-type: none"> • Straight • L-coded 	<p>Page 3.10.7</p>

MQ15 X-Power



With open ended wires

MQ15 X-Power male/female

- Unshielded/shielded
- Straight
- 90°

Page 3.10.10



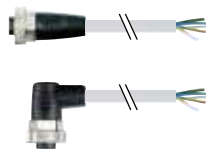
Connection cables

MQ15 X-Power male – MQ15 X-Power female

- Unshielded/shielded
- Straight

Page 3.10.25

7/8"

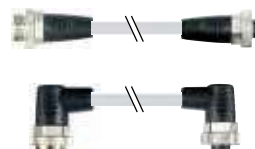


With open ended wires

7/8" male/female

- Straight/90°

Page 3.10.29



Connection cables

7/8" male – 7/8" female

- Straight/90°

Page 3.10.30

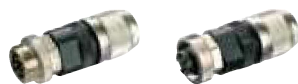


Field-wireable
Screw terminals

7/8" male/female

- Straight/90°

Page 3.10.31



Field-wireable
Terminals with Insulation
Displacement Technology (IDC)

7/8" male/female

- Straight

Page 3.10.33

M23 Drives (Motors)



*We offer a wide range
for M23 Drives. Just talk to us!*

ROUND PLUG CONNE

With open ended wires

– M12 Power

Male

straight



1 Form	P3201	P4201	
	Type	5-pole K-coded Operating current: max. 12 A	5-pole L-coded Operating current: max. 16 A
	Circuit diagram		
	Contact layout		
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ² PUR/PVC PUR (UL/CSA), robots/C-tracks	black P05	gray 966 black P04
	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. 630 V AC/DC	max. 63 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;"> 7 0 0 0 - - - - - - </div>		
	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.		

ROUND PLUG CONNE

With open ended wires

– M12 Power

Female
straight



1 Form	P 3 2 2 1	P 4 2 2 1						
Type	5-pole K-coded Operating current: max. 12 A	5-pole L-coded Operating current: max. 16 A						
Circuit diagram								
Contact layout	<p>Female</p>	<p>Female</p>						
2 Cable Type	Jacket Color	Jacket Color						
Wire diameter 1.5 mm ² PUR/PVC PUR (UL/CSA), robots/Ctracks	<table border="1" style="background-color: black; color: white;"> <tr><td>black</td></tr> <tr><td>P05</td></tr> </table>	black	P05	<table border="1" style="background-color: black; color: white;"> <tr><td>gray</td><td>black</td></tr> <tr><td>966</td><td>P04</td></tr> </table>	gray	black	966	P04
black								
P05								
gray	black							
966	P04							
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. 630 V AC/DC	max. 63 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;"><u>7</u> <u>0</u> <u>0</u> <u>0</u></td> <td style="text-align: center; width: 25%;">-</td> <td style="text-align: center; width: 25%;">-</td> <td style="text-align: center; width: 25%;">-</td> </tr> </table>		<u>7</u> <u>0</u> <u>0</u> <u>0</u>	-	-	-		
<u>7</u> <u>0</u> <u>0</u> <u>0</u>	-	-	-					
	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.							

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– M12 Power

Male

straight



1 Form		P 6201	P 7201
Type		4-pole S-coded Operating current: max. 12 A	4-pole T-coded Operating current: max. 12 A
Circuit diagram			
Contact layout			
2 Cable Type		Jacket Color	Jacket Color
Wire diameter 1.5 mm ² PUR (UL/CSA), robots/C-tracks		black P06	black P07
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. 630 V AC/DC	max. 63 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		7 0 0 0 - - - - -	- - - - -
		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.	

ROUND PLUG CONNE

With open ended wires

– M12 Power

Female
straight



1 Form	P 6221	P 7221										
	Type	4-pole S-coded Operating current: max. 12 A	4-pole T-coded Operating current: max. 12 A									
Circuit diagram												
Contact layout												
2 Cable Type	Jacket Color	Jacket Color										
Wire diameter 1.5 mm ² PUR (UL/CSA), robots/C-tracks	black P06	black P07										
3 Cable Length	<table border="1"> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>3.0 m</td><td>0300</td></tr> <tr><td>5.0 m</td><td>0500</td></tr> <tr><td>7.5 m</td><td>0750</td></tr> <tr><td>10.0 m</td><td>1000</td></tr> </table>		1.5 m	0150	3.0 m	0300	5.0 m	0500	7.5 m	0750	10.0 m	1000
1.5 m	0150											
3.0 m	0300											
5.0 m	0500											
7.5 m	0750											
10.0 m	1000											
Technical Data	<table border="1"> <tr><td>Operating voltage</td><td>max. 630 V AC/DC</td><td>max. 63 V AC/DC</td></tr> <tr><td>Protection</td><td colspan="2">IP65 and IP67 when plugged and screwed down (EN 60529)</td></tr> <tr><td>Temperature range</td><td colspan="2">-25...+85 °C, depending on cable quality</td></tr> </table>		Operating voltage	max. 630 V AC/DC	max. 63 V AC/DC	Protection	IP65 and IP67 when plugged and screwed down (EN 60529)		Temperature range	-25...+85 °C, depending on cable quality		
Operating voltage	max. 630 V AC/DC	max. 63 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.	<p>The composition of your article number is explained on page 3.1.i</p> <p><u>7 0 0 0</u> - - - - - - - - - -</p>											
	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.											

Round Plug Connectors Power

ROUND PLUG CONNE

Connection cables

– M12 Power

Male
straight

Female
straight



1 Form	P 6241	P 7241
Type	4-pole S-coded Operating current: max. 12 A	4-pole T-coded Operating current: max. 12 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ² PUR (UL/CSA), robots/C-tracks	black P06	black P07
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. 630 V AC/DC	max. 63 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	7 0 0 0 - - - - - - - - - -	- - - - -
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

Field-wireable

– M12 Power

– Screw terminals

Approvals: 

Male

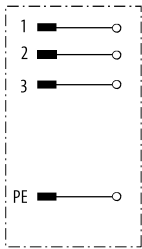
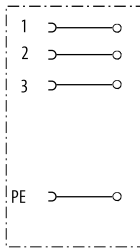
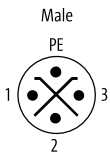
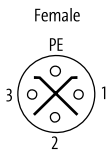
straight



Female

straight



1 Form	P6391	P6411
Type	4-pole S-coded	4-pole S-coded
Circuit diagram		
Sealing range (cable Ø)	8...10 mm	
Contact layout	<p>Male</p> 	<p>Female</p> 
Technical Data		
Operating voltage	max. 630 V AC/DC	
Rated surge voltage	6 kV	
Operating current per contact	max. 12 A	
Material group	IEC 60664-1, category III	
Connection cross section	max. 1.5 mm ²	
Coding	S-coded	
Sealing range (cable Ø)	8...10 mm	
Locking of ports	Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing	
Protection	IP67 inserted and tightened (EN 60529)	
Material	PA	
suitable for corrugated tube (internal Ø)	without	
Temperature range	-40...+85 °C	
Article No.		
The composition of your article number is explained on page 3.1.i	<p style="text-align: center;"> 7 0 0 0 - - 0 0 0 0 </p>	
	<p>1 Form</p>	
Notes		
	Other versions on request.	

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Male
straight



1 Form	P 8101	P 8101									
	Type 6-pole max. 13 A (Power); max. 10 A (Signal)	Type 6-pole max. 16 A (Power); max. 10 A (Signal)									
Circuit diagram											
Contact layout											
2 Cable Type	Jacket Color	Jacket Color									
	Wire diameter 1.5 mm ² PVC (UL) PUR (UL), C-tracks Wire diameter 2.5 mm ² PUR (UL), C-tracks PVC (UL)	black P24 P84	black P01 P21								
3 Cable Length	1.0 m	0100									
	2.0 m	0200									
	3.0 m	0300									
	5.0 m	0500									
	10.0 m	1000									
Technical Data	Operating voltage max. 600 V AC (Power); max. 63 V AC/DC (Signal)										
	Protection IP67 inserted and tightened (EN 60529)										
	Temperature range -25...+80 °C, depending on cable quality										
Article No.	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>0</u></td> <td><u>0</u></td> <td>-</td> <td>---</td> <td>-</td> <td>---</td> <td>---</td> </tr> </table>		<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	-	---	-	---	---
<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	-	---	-	---	---			
	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.										

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female

straight



1 Form	P 8121	P 8121
	Type 6-pole max. 13 A (Power); max. 10 A (Signal)	Type 6-pole max. 16 A (Power); max. 10 A (Signal)
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ²	black	black
PVC (UL)	P24	
PUR (UL), C-tracks	P84	
Wire diameter 2.5 mm ²		
PUR (UL), C-tracks		P01
PVC (UL)		P21
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC (Power); max. 63 V AC/DC (Signal)	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - - - - - </div>	
	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.	

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Male
straight



1 Form	P 8201	P 8201	
	Type 4-pole Operating current: max. 13 A	Type 4-pole Operating current: max. 16 A	
Circuit diagram			
Contact layout			
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ² PVC (UL) PUR (UL), C-tracks	black P22 P02	black
	Wire diameter 2.5 mm ² PUR (UL), C-tracks PVC (UL)		P03 P23
	3 Cable Length		
	1.0 m 2.0 m 3.0 m 5.0 m 10.0 m	0100 0200 0300 0500 1000	
Technical Data			
Operating voltage	max. 600 V AC		
Protection	IP67 inserted and tightened (EN 60529)		
Temperature range	-25...+80 °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;"> 7 0 0 0 - _ _ _ _ - _ _ _ </div>		
	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.		

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female

straight



1 Form	P 8 2 2 1	P 8 2 2 1
	Type 4-pole Operating current: max. 13 A	4-pole Operating current: max. 16 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ² PVC (UL) PUR (UL), C-tracks	black P22 P02	black
Wire diameter 2.5 mm ² PUR (UL), C-tracks PVC (UL)		P03 P23
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - - - - - - </div>	
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P 8131	P 8131	
	Type 6-pole max. 13 A (Power); max. 10 A (Signal)	Type 6-pole max. 16 A (Power); max. 10 A (Signal)	
Circuit diagram			
Contact layout			
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ²	black	black
	PVC (UL)	P24	
	PUR (UL), C-tracks	P84	
	Wire diameter 2.5 mm ²		
PUR (UL), C-tracks		P01	
PVC (UL)		P21	
3 Cable Length	1.0 m	0100	
	2.0 m	0200	
	3.0 m	0300	
	5.0 m	0500	
	10.0 m	1000	
Technical Data			
Operating voltage	max. 600 V AC (Power); max. 63 V AC/DC (Signal)		
Protection	IP67 inserted and tightened (EN 60529)		
Temperature range	-25...+80 °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;"> <u>7</u> <u>0</u> <u>0</u> <u>0</u> – – – – </div>		
	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.		

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P8132	P8132
	6-pole max. 13 A (Power); max. 10 A (Signal)	6-pole max. 16 A (Power); max. 10 A (Signal)
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ²	black	black
PVC (UL)	P24	
PUR (UL), C-tracks	P84	
Wire diameter 2.5 mm ²		
PUR (UL), C-tracks		P01
PVC (UL)		P21
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC (Power); max. 63 V AC/DC (Signal)	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - _ _ _ _ _ _ _ </div>	
	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.	

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Male

90°



1 Form	P 8 2 1 1	
	Type	4-pole Operating current: max. 13 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	
Wire diameter 1.5 mm ² PVC (UL)	<div style="background-color: black; color: white; padding: 2px;">black</div> <div style="background-color: black; color: white; padding: 2px;">P22</div>	
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> <div style="border: 1px solid black; padding: 2px;">7 0 0 0</div> <div style="font-size: 2em;">-</div> <div style="border: 1px solid black; padding: 2px;">P 8 2 1 1</div> <div style="font-size: 2em;">-</div> <div style="border: 1px solid black; padding: 2px;">_ _ _ _</div> <div style="font-size: 2em;">-</div> <div style="border: 1px solid black; padding: 2px;">_ _ _ _</div> </div>	
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P8231	P8231	
	Type	4-pole Operating current: max. 13 A	4-pole Operating current: max. 16 A
	Circuit diagram		
	Contact layout		
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ²	black	black
	PVC (UL)	P22	
	PUR (UL), C-tracks	P02	
Wire diameter 2.5 mm ²			
PUR (UL), C-tracks		P03	
PVC (UL)		P23	
3 Cable Length	1.0 m	0100	
	2.0 m	0200	
	3.0 m	0300	
	5.0 m	0500	
	10.0 m	1000	
Technical Data			
Operating voltage	max. 600 V AC		
Protection	IP67 inserted and tightened (EN 60529)		
Temperature range	-25...+80 °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;"> 7 0 0 0 - - </div>		
	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.			

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P 8 2 3 2	P 8 2 3 2	
	Type 4-pole Operating current: max. 13 A	Type 4-pole Operating current: max. 16 A	
Circuit diagram			
Contact layout			
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ²	black	black
	PVC (UL)	P22	
	PUR (UL), C-tracks	P02	
	Wire diameter 2.5 mm ²		
PUR (UL), C-tracks		P03	
PVC (UL)		P23	
3 Cable Length	1.0 m	0100	
	2.0 m	0200	
	3.0 m	0300	
	5.0 m	0500	
	10.0 m	1000	
	Technical Data		
Operating voltage	max. 600 V AC		
Protection	IP67 inserted and tightened (EN 60529)		
Temperature range	-25...+80 °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;"> 7 0 0 0 - _ _ _ - _ _ _ </div>		
	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.		

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Male

straight



Female

straight



1 Form	P8301	P8321	
	Type 6-pole, shielded max. 16 A (Power); max. 10 A (Signal)	Type 6-pole, shielded max. 16 A (Power); max. 10 A (Signal)	
Circuit diagram			
Contact layout			
2 Cable Type	Jacket Color	Jacket Color	
	4x2.5 + 2x1.5 mm ² PUR (UL), C-tracks	orange P11	orange P11
3 Cable Length	1.0 m	0100	
	2.0 m	0200	
	3.0 m	0300	
	5.0 m	0500	
	10.0 m	1000	
Technical Data	<p>Operating voltage: max. 600 V AC (Power); max. 63 V AC/DC (Signal)</p> <p>Protection: IP67 inserted and tightened (EN 60529)</p> <p>Temperature range: -25...+80 °C, depending on cable quality</p>		
Article No.	<p>The composition of your article number is explained on page 3.1.i</p> <p>7 0 0 0 - - - - - - - - - -</p>		
	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.		

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Male
straight



1 Form	P 8 0 0 1	P 8 0 0 1										
	Type 4-pole, shielded Operating current: max. 13 A	Type 4-pole, shielded Operating current: max. 16 A										
Circuit diagram												
Contact layout												
2 Cable Type	Jacket Color	Jacket Color										
	Wire diameter 1.5 mm ² PUR (UL), C-tracks	orange P12	orange									
Wire diameter 2.5 mm ² PUR (UL), C-tracks		P13										
3 Cable Length												
1.0 m	0100											
2.0 m	0200											
3.0 m	0300											
5.0 m	0500											
10.0 m	1000											
Technical Data												
Operating voltage	max. 600 V AC											
Protection	IP67 inserted and tightened (EN 60529)											
Temperature range	-25...+80 °C, depending on cable quality											
Article No.												
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>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td>-</td> <td>---</td> <td>-</td> <td>---</td> <td>---</td> </tr> </table>		<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	-	---	-	---	---
<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	-	---	-	---	---			
	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.											

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female

straight



1 Form	P8021	P8021
	Type 4-pole, shielded Operating current: max. 13 A	Type 4-pole, shielded Operating current: max. 16 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ² PUR (UL), C-tracks	orange P12	orange
Wire diameter 2.5 mm ² PUR (UL), C-tracks		P13
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - - </div>	
	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.	

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P 8331	P 8332
	Type 6-pole, shielded max. 16 A (Power); max. 10 A (Signal)	Type 6-pole, shielded max. 16 A (Power); max. 10 A (Signal)
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
	4×2.5 + 2×1.5 mm ² PUR (UL), C-tracks	orange P11
3 Cable Length	1.0 m	0100
	2.0 m	0200
	3.0 m	0300
	5.0 m	0500
	10.0 m	1000
	Technical Data	Operating voltage: max. 600 V AC (Power); max. 63 V AC/DC (Signal) Protection: IP67 inserted and tightened (EN 60529) Temperature range: -25...+80 °C, depending on cable quality
Article No.	The composition of your article number is explained on page 3.1.i <div style="text-align: center;"> 7 0 0 0 - - - </div>	
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P8031	P8031
	Type 4-pole, shielded Operating current: max. 13 A	Type 4-pole, shielded Operating current: max. 16 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ² PUR (UL), C-tracks	orange P12	orange
Wire diameter 2.5 mm ² PUR (UL), C-tracks		P13
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - - - - - - </div>	
	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.	

ROUND PLUG CONNE

With open ended wires

– MQ15 X-Power

Female
90°



1 Form	P 8 0 3 2	P 8 0 3 2						
	Type 4-pole, shielded Operating current: max. 13 A	Type 4-pole, shielded Operating current: max. 16 A						
Circuit diagram								
Contact layout								
2 Cable Type	Jacket Color	Jacket Color						
	Wire diameter 1.5 mm ² PUR (UL), C-tracks	orange P12	orange					
Wire diameter 2.5 mm ² PUR (UL), C-tracks		P13						
3 Cable Length								
1.0 m	0100							
2.0 m	0200							
3.0 m	0300							
5.0 m	0500							
10.0 m	1000							
Technical Data								
Operating voltage	max. 600 V AC							
Protection	IP67 inserted and tightened (EN 60529)							
Temperature range	-25...+80 °C, depending on cable quality							
Article No.								
The composition of your article number is explained on page 3.1.i	<table border="1"> <tr> <td><u>7</u> <u>0</u> <u>0</u> <u>0</u></td> <td>-</td> <td>---</td> <td>-</td> <td>---</td> <td>---</td> </tr> </table>		<u>7</u> <u>0</u> <u>0</u> <u>0</u>	-	---	-	---	---
<u>7</u> <u>0</u> <u>0</u> <u>0</u>	-	---	-	---	---			
	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.							

Round Plug Connectors Power

ROUND PLUG CONNE

Connection cables

– MQ15 X-Power

Male

straight

Female

straight



1 Form	P 8 2 4 1	P 8 2 4 1
	4-pole Operating current: max. 13 A	4-pole Operating current: max. 16 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 1.5 mm ²	black	black
PVC (UL)	P22	
PUR (UL), C-tracks	P02	
Wire diameter 2.5 mm ²		
PUR (UL), C-tracks		P03
PVC (UL)		P23
3 Cable Length		
1.0 m	0100	
2.0 m	0200	
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
Technical Data		
Operating voltage	max. 600 V AC	
Protection	IP67 inserted and tightened (EN 60529)	
Temperature range	-25...+80 °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;"> 7 0 0 0 - - </div>	
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

Connection cables

– MQ15 X-Power

Male

straight

Female

straight



1 Form	P 8141	P 8141	
	6-pole max. 13 A (Power); max. 10 A (Signal)	6-pole max. 16 A (Power); max. 10 A (Signal)	
Circuit diagram			
Contact layout			
2 Cable Type	Jacket Color	Jacket Color	
	Wire diameter 1.5 mm ²	black	black
	PVC (UL)	P24	
	PUR (UL), C-tracks	P84	
Wire diameter 2.5 mm ²			
PUR (UL), C-tracks		P01	
PVC (UL)		P21	
3 Cable Length	1.0 m	0100	
	2.0 m	0200	
	3.0 m	0300	
	5.0 m	0500	
	10.0 m	1000	
Technical Data			
Operating voltage	max. 600 V AC (Power); max. 63 V AC/DC (Signal)		
Protection	IP67 inserted and tightened (EN 60529)		
Temperature range	-25...+80 °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;"> 7 0 0 0 - _ - _ _ _ </div>		
	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.		

Round Plug Connectors Power

ROUND PLUG CONNE

Connection cables

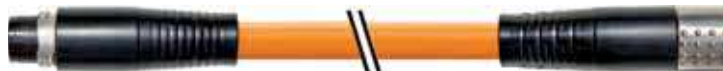
– MQ15 X-Power

Male

straight

Female

straight



1 Form	P8041	P8041
	Type 4-pole, shielded Operating current: max. 13 A	Type 4-pole, shielded Operating current: max. 16 A
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
	Wire diameter 1.5 mm ² PUR (UL), C-tracks	orange P12
Wire diameter 2.5 mm ² PUR (UL), C-tracks		P13
3 Cable Length	1.0 m	0100
	2.0 m	0200
	3.0 m	0300
	5.0 m	0500
	10.0 m	1000
Technical Data	Operating voltage	max. 600 V AC
	Protection	IP67 inserted and tightened (EN 60529)
	Temperature range	-25...+80 °C, depending on cable quality
Article No.	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around;"> 7 0 0 0 — — — — </div>	
The composition of your article number is explained on page 3.1.i		
	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.	

ROUND PLUG CONNE

Connection cables

– MQ15 X-Power

Male

straight

Female

straight



1 Form	P 8 3 4 1	
	6-pole, shielded max. 16 A (Power); max. 10 A (Signal)	
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	orange
	4×2.5 + 2×1.5 mm ² PUR (UL), C-tracks	
3 Cable Length	1.0 m	0100
	2.0 m	0200
	3.0 m	0300
	5.0 m	0500
	10.0 m	1000
Technical Data	Operating voltage: max. 600 V AC (Power); max. 63 V AC/DC (Signal) Protection: IP67 inserted and tightened (EN 60529) Temperature range: -25...+80 °C, depending on cable quality	
Article No.	The composition of your article number is explained on page 3.1.i	
	7 0 0 0 - P 8 3 4 1 -	_____
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

With open ended wires

- 7/8"

Female
straight



Female
90°



Approvals:

* only for products with UL/CSA approved cable

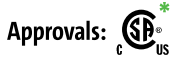
1 Form		78021	78051
Type		5-pole Power cable	5-pole Power cable
Circuit diagram			
Contact layout			
2 Cable Type		Jacket Color	Jacket Color
Wire diameter 1.0 mm ² PUR/PVC		gray 965	gray 965
Wire diameter 2.5 mm ² PUR (UL/CSA), robots/C-tracks		962	962
Wire diameter 1.5 mm ² PUR (UL/CSA), robots/C-tracks		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		IP67 inserted and tightened (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		7 0 0 0 - - - - -	- - - - -
	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.	

Round Plug Connectors Power

ROUND PLUG CONNE

Connection cables

- 7/8"



* only for products with UL/CSA approved cable

Male
straight

Female
straight

Male
90°

Female
90°



1 Form		50021	50051
Type	5-pole	5-pole	5-pole
	Power cable	Power cable	Power cable
Circuit diagram			
Contact layout			
2 Cable Type		Jacket Color	Jacket Color
Wire diameter 1.0 mm ²	PUR/PVC	gray 965	gray 965
Wire diameter 2.5 mm ²	PUR (UL/CSA), robots/C-tracks	962	962
Wire diameter 1.5 mm ²	PUR (UL/CSA), robots/C-tracks	961	961
3 Cable Length			
0.3 m		0030	
0.6 m		0060	
1.0 m		0100	
1.5 m		0150	
2.0 m		0200	
Technical Data			
Operating voltage		max. 230/400 V AC/DC	
Protection		IP67 inserted and tightened (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		7 0 0 0	- - - - -
		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.	

Field-wireable

- 7/8"

- Screw terminals

Approvals:  us

Male

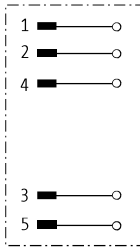
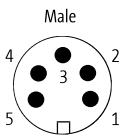
straight



Male

90°




1 Form	78081	meX	78101	meX	78141	meX
Type	5-pole		5-pole		5-pole	
Circuit diagram						
Sealing range (cable Ø)	6...8 mm		10...12 mm		6...8.7 mm	
Contact layout						
Technical Data						
Operating voltage	max. 250 V AC/DC					
Operating current per contact	max. 9 A					
Connection cross section	max. 1.5 mm ²					
Sealing range (cable Ø)	6...8 mm		10...12 mm		6...8.7 mm	
Locking of ports	Screw thread 7/8" (recommended torque 1.5 Nm) self-securing					
Protection	IP67 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 0 0		- - - - -		0 0 0 0	
	1 Form					
Notes	Other versions on request.					

ROUND PLUG CONNE

Field-wireable

- 7/8"

- Screw terminals

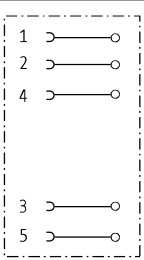
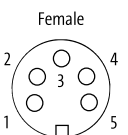
Approvals:  US

Female
straight



Female
90°



1 Form	78201	me*	78221	me*	78261	me*
Type	5-pole		5-pole		5-pole	
Circuit diagram						
Sealing range (cable Ø)	6...8 mm		10...12 mm		6...8.7 mm	
Contact layout						
Technical Data						
Operating voltage	max. 250 V AC/DC					
Operating current per contact	max. 9 A					
Connection cross section	max. 1.5 mm ²					
Sealing range (cable Ø)	6...8 mm		10...12 mm		6...8.7 mm	
Protection	IP67 inserted and tightened (EN 60529)					
Locking of ports	Screw thread 7/8" (recommended torque 1.5 Nm) self-securing					
Locking material	Zinc die casting, matte nickel plated					
Temperature range	-25...+85 °C					
Article No.						
The composition of your article number is explained on page 3.1.i	<u>7 0 0 0</u>		-	<u>0 0 0</u>	-	<u>0 0 0 0</u>
	1 Form					
Notes	Other versions on request.					

ROUND PLUG CONNE

Field-wireable

- 7/8"

- IDC terminals

Male

straight



Female

straight



1 Form	78091	me	78211	me
Type	5-pole		5-pole	
Circuit diagram				
Connection cross section	0.75...1.5 mm ²			
Contact layout	<p>Male</p>		<p>Female</p>	
Technical Data				
Operating voltage	max. 230/400 V AC/DC			
Rated surge voltage	4 kV			
Operating current per contact	max. 10 A			
Material group	IEC 60664-1, category I			
Connection cross section	0.75...1.5 mm ² (conductor diameter min. 0.15 mm)			
Coding	A-coded, 5-pole			
Sealing range (cable Ø)	6.8...9.5 mm			
Wire isolation	PVC, PP, TPE			
Outer wire Ø	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)			
Locking material	Brass			
Temperature range	-40...+85 °C			
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;"> <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> </div>			
	1 Form			
Notes	Other versions on request.			

ROUND PLUG CONNE

Connection accessories			Art-No.
	Flange 7/8" male, pre-wired 0.2 m 5-pole	7/8" Round Plug Connectors	7000-78341-9780020
	Flange 7/8" female, pre-wired 0.2 m 5-pole	7/8" Round Plug Connectors	7000-78381-9780020
	Control cabinet entry system 7/8"	7/8" Round Plug Connectors Ethernet CAT5	7000-50111-0000000
	T-coupler 7/8"-7/8", female/male 5-pole		7000-50061-0000000
Mounting accessories			Art-No.
	Torque wrench set 7/8" (1.5 Nm, SW22)	7/8" data connenctor moulded (IDC terminal)	7000-99104-0000000
	Torque wrench set 7/8" (1.5 Nm, SW24)	7700-XXXXX - 7/8" data connenctor moulded (screw terminals)	7000-99105-0000000
	Torque wrench 7/8" (1.5 Nm, SW22)	7/8" data connenctor moulded (IDC terminal)	7000-99096-0000000
	Torque wrench 7/8" (1.5 Nm, SW24)	7700-XXXXX - 7/8" data connenctor moulded (screw terminals)	7000-99097-0000000

Round Plug Connectors Power

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