

- ↘ Industrial grade
- ↘ Tamper-proof
- ↘ Tightly sealed

PREASSEMBLED POWER CONNECTORS

by Murrelektronik





DID YOU KNOW ?

Murrelektronik connectors are 100 % tested

We put our pre-assembled connectors through their paces before we send them to our customers. We perform a variety of electrical tests including a high-voltage test, a test for mixed-up wires and one for short circuits. We test connector function and subject them to a final visual inspection. This ensures that you will always receive a first-class connector every time. Our pre and post-production processes are also 100% quality conscious starting with the inspection of our incoming goods, which must meet numerous requirements and ending with the final production inspection. This process guarantees that Murrelektronik connectors work – 100 %!



BRINGING POWER TO YOUR INSTALLATION HAS NEVER BEEN EASIER!

Power connectors from Murrelektronik allow you easily feed the required power into the field.

- Murrelektronik's M12 Power connectors are compact yet have high capacity to transmit energy.
- The MQ15 has a practical quick connection system. A quarter turn is all that is needed to create an IP67 rated connection.
- Mini (7/8") cables are the established choice for power and signal control.
- The M23 connector from Murrelektronik is a proven solution for connecting servo motors.

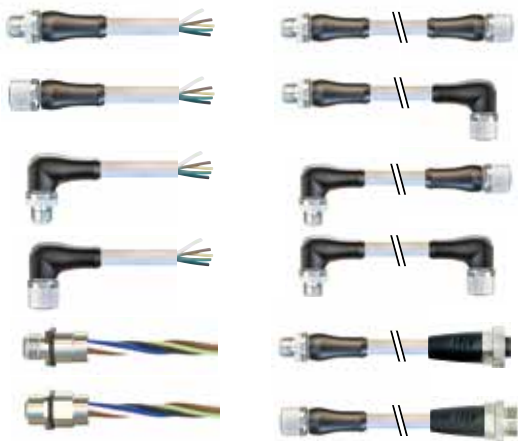
Automation and equipment need a lot of power. As installation concepts become more sophisticated, the number of field devices is increasing, and components such as IO modules, sensors, drives, cameras & lighting are being used everywhere. The influences of Industry 4.0 and IIoT are leading to increased demand for process control and feedback. Even mechanics are evolving from pneumatic to electric propulsion increasing demand for power in the field. Simple solutions are needed to bring energy to power hungry applications, an easy achievement with Murrelektronik's standardized power connectors.

Murrelektronik offers a broad product portfolio with many cable jacket color and material options. They are highly configurable with numerous variations, cable lengths and wire sizes all with an MOQ of one piece.



MOTOR CONNECTORS FROM MURRELEKTRONIK

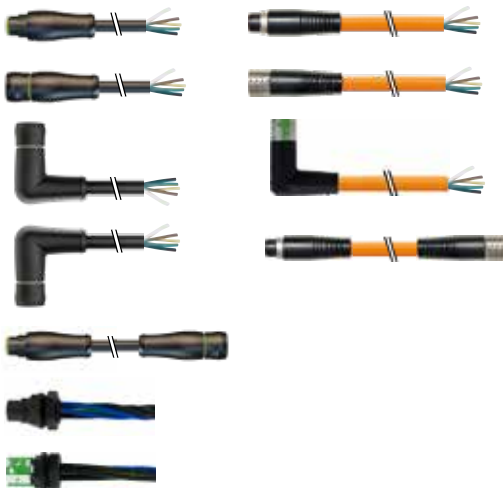
Connectors for Linear Drives, Stepper Motors as well as Fieldbus Power Supply



M12 POWER CONNECTORS

- Industry Standard Coded Connections according to IEC 61076-2-111
- L code for DC Power applications to 63 V/16 A per pin
- T code for DC Power applications to 63 V/12 A per pin
- S and K code for AC Power applications to 630 V/12 A per pin
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Halogen-free PUR overmold
- Suitable for use in the toughest industrial applications
- Integrated vibration protection

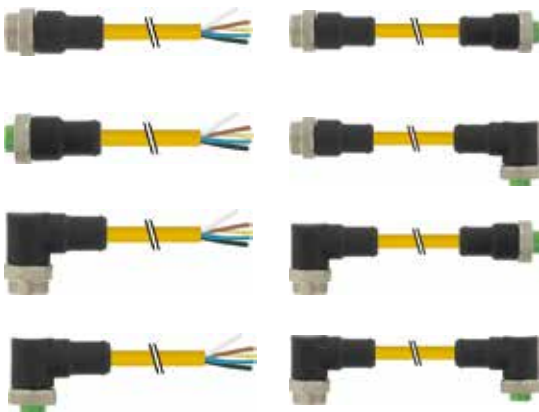
Connectors for AC/DC Motors up to 7.5 kW



MQ15 CONNECTORS

- 600 V AC/DC
- 6-pole (3 power contacts up to 16 A, 2 auxiliary contacts up to 10 A, PE)
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Suitable for use in the toughest industrial applications
- Halogen-free PUR overmold
- Shielded and unshielded versions available

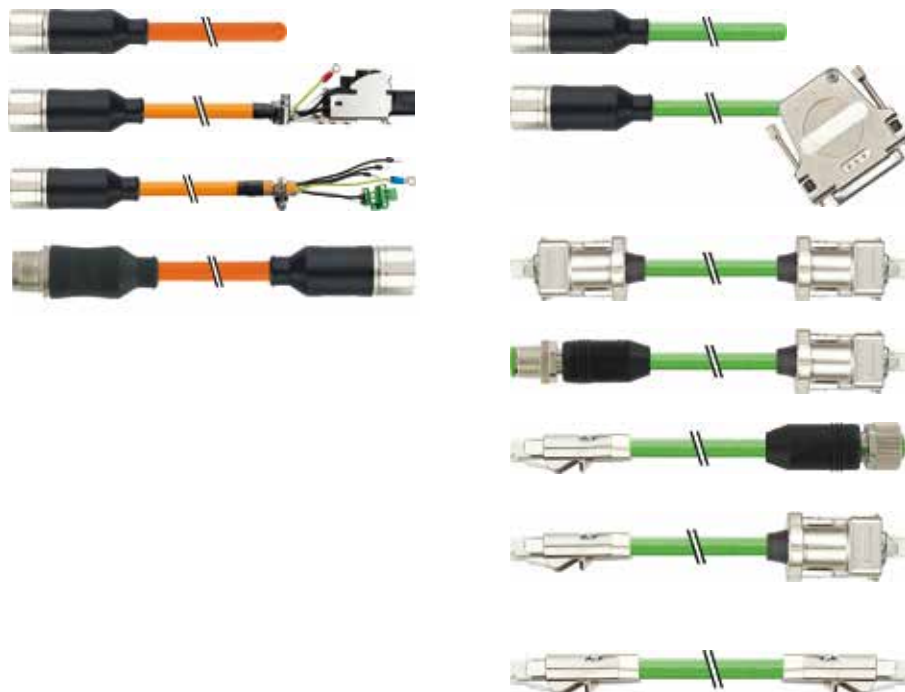
Connectors for Power Supplies



7/8" (MINI) CONNECTORS

- Full assortment of connector head styles and configurations
- Connector variations ranging from 3, 4 or 5-pole options
- Broad product portfolio with many options of cable jacket material and color
- Tray-rated TPE cable jacket option
- Halogen-free PUR cable jacket option

Connectors for Servo Drives



POWER AND SIGNAL CONNECTORS

- M23, M40 and M58 connectors with different contact configurations are available on the motor side.
- On the servo controller side, Murrelektronik offers connectors for connecting power cables to the controller (different configurations or open ends).
- Signal cables with Sub-D connector.
- Drive Cliq program with many variants including M12.



M12 POWER CONNECTORS SMALL SIZE, HIGH CAPACITY

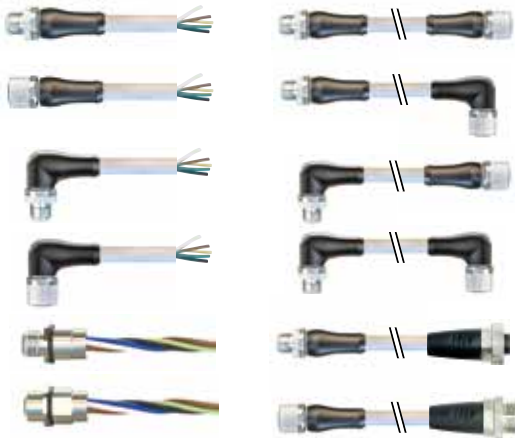
TIGHTLY SEALED – 63 V/16 A OR 630 V/12 A

Murrelektronik's M12 Power connectors are compact yet have high capacity to transmit energy. They are a safe, pluggable connection for linear drives, stepper motors and for supplying power to fieldbus modules. They are the solution when you need high power density in a compact space. M12 Power is a compact alternative to 7/8" connectors in applications that require high power density.

The connectors are molded with highly-resistant, halogen-free PUR material, which makes them suitable for harsh industrial applications. The integrated anti-vibration lock ensures safe connections, even when exposed to shock or vibration.

- Industry Standard Coded Connections according to IEC 61076-2-111
- L code for DC Power applications to 63 V/16 A per pin
- T code for DC Power applications to 63 V/12 A per pin
- S and K code for AC Power applications to 630 V/12 A per pin
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Halogen-free PUR overmold
- Integrated vibration protection

M12 POWER CONNECTORS

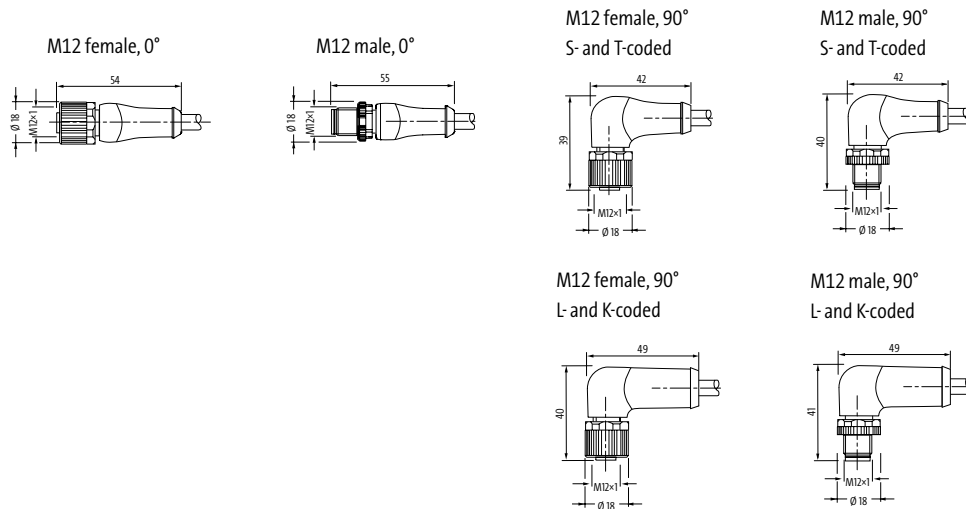


AVAILABLE CONFIGURATIONS

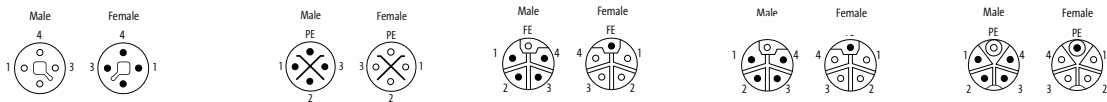
- Straight M12 female to straight M12 male
- Straight M12 male to 90° M12 female
- 90° M12 male to 90° M12 female
- Straight M12 male / 90° M12 male with cable
- Straight M12 female / 90° M12 female with cable
- Field wireable connections
- Male and female receptacles
- T coupler
- H coupler and h coupler

- PUR cables, suitable for cable tracks and torsion-resistant
- Wrench flat SW17
- Integrated conduit retainer
- Integrated snap lock

DIMENSION DRAWING



TECHNICAL DATA



General data	T-coding	S-coding	L-coding	K-coding
Contact arrangement	4	3 + PE	4 + FE	4 + PE
Temperature range (°C)	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67
Enclosure EMC shielding	No	No	No	No
Lock / thread type	Threaded / M12x1	Threaded / M12x1	Threaded / M12x1	Threaded / M12x1
Max. mating cycles	500	500	500	500
Tightening torque (Nm)	0.6	0.6	0.6	0.6
Wire cross section (mm²)	1.5 2.5	1.5 2.5	1.5 2.5	1.5 2.5
Standardization / approval	IEC 61076-2-111, UL	IEC 61076-2-111, UL	IEC 61076-2-111, UL	IEC 61076-2-111, UL
Electrical data	T-coding	S-coding	L-coding	K-coding
Rated current (A)	max. 12	max. 12	max. 16	max. 16
Rated voltage AC/DC (V)	max. 63	max. 630	max. 63	max. 630














ORDER DATA FOR T-CODED M12 POWER | 4-POLE

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0°, 4 x 1.5	7000-P7201-P070150	7000-P7201-P070300	7000-P7201-P070500	7000-P7201-P070750	7000-P7201-P071000
	Male 0°, 4 x 2.5	7000-P7201-P370150	7000-P7201-P370300	7000-P7201-P370500	7000-P7201-P370750	7000-P7201-P371000
	Female 0° 4 x 1.5	7000-P7221-P070150	7000-P7221-P070300	7000-P7221-P070500	7000-P7221-P070750	7000-P7221-P071000
	Female 0° 4 x 2.5	7000-P7221-P370150	7000-P7221-P370300	7000-P7221-P370500	7000-P7221-P370750	7000-P7221-P371000
	Male 90°, 4 x 1.5	7000-P7211-P070150	7000-P7211-P070300	7000-P7211-P070500	7000-P7211-P070750	7000-P7211-P071000
	Female 90°, 4 x 1.5	7000-P7231-P070150	7000-P7231-P070300	7000-P7231-P070500	7000-P7231-P070750	7000-P7231-P071000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0° / Female 0°, 4 x 1.5	7000-P7241-P070150	7000-P7241-P070300	7000-P7241-P070500	7000-P7241-P070750	7000-P7241-P071000
	Male 0° / Female 0°, 4 x 2.5	7000-P7241-P370150	7000-P7241-P370300	7000-P7241-P370500	7000-P7241-P370750	7000-P7241-P371000
	Male 0° / Female 90°, 4 x 1.5	7000-P7251-P070150	7000-P7251-P070300	7000-P7251-P070500	7000-P7251-P070750	7000-P7251-P071000
	Male 90° / Female 0°, 4 x 1.5	7000-P7261-P070150	7000-P7261-P070300	7000-P7261-P070500	7000-P7261-P070750	7000-P7261-P071000
	Male 90° / Female 90°, 4 x 1.5	7000-P7271-P070150	7000-P7271-P070300	7000-P7271-P070500	7000-P7271-P070750	7000-P7271-P071000
	Male 90° / Female 90°, 4 x 2.5	7000-P7271-P370150	7000-P7271-P370300	7000-P7271-P370500	7000-P7271-P370750	7000-P7271-P371000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	Front wall assembly Male with wire, 4 x 1.5	7000-P7281-9440020	7000-P7281-9440050	7000-P7281-9440100		
	Front wall assembly Male with wire, 4 x 2.5	7000-P7281-9260020	7000-P7281-9260050	7000-P7281-9260100		
	Front wall assembly Female with wire, 4 x 1.5	7000-P7291-9440020	7000-P7291-9440050	7000-P7291-9440100		
	Front wall assembly Female with wire, 4 x 2.5	7000-P7291-9260020	7000-P7291-9260050	7000-P7291-9260100		
 Image similar	Rear wall assembly Male with wire, 4 x 1.5	7000-P7285-9440020	7000-P7285-9440050	7000-P7285-9440100		
	Rear wall assembly Male with wire, 4 x 2.5	7000-P7285-9260020	7000-P7285-9260050	7000-P7285-9260100		
 Image similar	Rear wall assembly Female with wire, 4 x 1.5	7000-P7295-9440020	7000-P7295-9440050	7000-P7295-9440100		
	Rear wall assembly Female with wire, 4 x 2.5	7000-P7295-9260020	7000-P7295-9260050	7000-P7295-9260100		
Distribution	Description					
	T-coupler (1 x male 2 x females)	7000-P7901-0000000				
	H-coupler (1 x male 3 x females)	7000-P7902-0000000				
	h-coupler (1 x male 2 x females)	7000-P7903-0000000				
Field-wireable	Description					
	Male	7000-P7591-0000000				
	Female	7000-P7611-0000000				









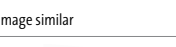





ORDER DATA FOR S-CODED M12-POWER | 4-POLE (3+PE)

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0°, 4 x 1.5	7000-P6201-P160150	7000-P6201-P160300	7000-P6201-P160500	7000-P6201-P160750	7000-P6201-P161000
	Male 0°, 4 x 2.5	7000-P6201-P360150	7000-P6201-P360300	7000-P6201-P360500	7000-P6201-P360750	7000-P6201-P361000
	Female 0°, 4 x 1.5	7000-P6221-P160150	7000-P6221-P160300	7000-P6221-P160500	7000-P6221-P160750	7000-P6221-P161000
	Female 0°, 4 x 2.5	7000-P6221-P360150	7000-P6221-P360300	7000-P6221-P360500	7000-P6221-P360750	7000-P6221-P361000
	Male 90°, 4 x 1.5	7000-P6211-P160150	7000-P6211-P160300	7000-P6211-P160500	7000-P6211-P160750	7000-P6211-P161000
	Female 90°, 4 x 1.5	7000-P6231-P160150	7000-P6231-P160300	7000-P6231-P160500	7000-P6231-P160750	7000-P6231-P161000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0° / Female 0°, 4 x 1.5	7000-P6241-P160150	7000-P6241-P160300	7000-P6241-P160500	7000-P6241-P160750	7000-P6241-P161000
	Male 0° / Female 0°, 4 x 2.5	7000-P6241-P360150	7000-P6241-P360300	7000-P6241-P360500	7000-P6241-P360750	7000-P6241-P361000
	Male 0° / Female 90°, 4 x 1.5	7000-P6251-P160150	7000-P6251-P160300	7000-P6251-P160500	7000-P6251-P160750	7000-P6251-P161000
	Male 90° / Female 0°, 4 x 1.5	7000-P6261-P160150	7000-P6261-P160300	7000-P6261-P160500	7000-P6261-P160750	7000-P6261-P161000
	Male 90° / Female 90°, 4 x 1.5	7000-P6271-P160150	7000-P6271-P160300	7000-P6271-P160500	7000-P6271-P160750	7000-P6271-P161000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	Front wall assembly Male with wire, 4 x 1.5	7000-P6281-9450020	7000-P6281-9450050	7000-P6281-9450100		
	Front wall assembly Male with wire, 4 x 2.5	7000-P6281-9290020	7000-P6281-9290050	7000-P6281-9290100		
	Front wall assembly Female with wire, 4 x 1.5	7000-P6291-9450020	7000-P6291-9450050	7000-P6291-9450100		
	Front wall assembly Female with wire, 4 x 2.5	7000-P6291-9290020	7000-P6291-9290050	7000-P6291-9290100		
 Image similar	Rear wall assembly Male with wire, 4 x 1.5	7000-P6285-9450020	7000-P6285-9450050	7000-P6285-9450100		
	Rear wall assembly Male with wire, 4 x 2.5	7000-P6285-9290020	7000-P6285-9290050	7000-P6285-9290100		
 Image similar	Rear wall assembly Female with wire, 4 x 1.5	7000-P6295-9450020	7000-P6295-9450050	7000-P6295-9450100		
	Rear wall assembly Female with wire, 4 x 2.5	7000-P6295-9290020	7000-P6295-9290050	7000-P6295-9290100		
Distribution	Description					
	T-coupler (1 x male 2 x females)	7000-P6901-0000000				
	H-coupler (1 x male 3 x females)	7000-P6902-0000000				
	h-coupler (1 x male 2 x females)	7000-P6903-0000000				
Field-wireable	Description					
	Male	7000-P6591-0000000				
	Female	7000-P6611-0000000				
















ORDER DATA FOR L-CODED M12-POWER | 4-POLE

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0°, 4 x 1.5	7000-P4101-P070150	7000-P4101-P070300	7000-P4101-P070500	7000-P4101-P070750	7000-P4101-P071000
	Male 0°, 4 x 2.5	7000-P4101-P370150	7000-P4101-P370300	7000-P4101-P370500	7000-P4101-P370750	7000-P4101-P371000
	Female 0°, 4 x 1.5	7000-P4121-P070150	7000-P4121-P070300	7000-P4121-P070500	7000-P4121-P070750	7000-P4121-P071000
	Female 0°, 4 x 2.5	7000-P4121-P370150	7000-P4121-P370300	7000-P4121-P370500	7000-P4121-P370750	7000-P4121-P371000
	Male 90°, 4 x 1.5	7000-P4111-P070150	7000-P4111-P070300	7000-P4111-P070500	7000-P4111-P070750	7000-P4111-P071000
	Female 90°, 4 x 1.5	7000-P4131-P070150	7000-P4131-P070300	7000-P4131-P070500	7000-P4131-P070750	7000-P4131-P071000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0° / Female 0°, 4 x 1.5	7000-P4141-P070150	7000-P4141-P070300	7000-P4141-P070500	7000-P4141-P070750	7000-P4141-P071000
	Male 0° / Female 0°, 4 x 2.5	7000-P4141-P370150	7000-P4141-P370300	7000-P4141-P370500	7000-P4141-P370750	7000-P4141-P371000
	Male 0° / Female 90°, 4 x 1.5	7000-P4151-P070150	7000-P4151-P070300	7000-P4151-P070500	7000-P4151-P070750	7000-P4151-P071000
	Male 90° / Female 0°, 4 x 1.5	7000-P4161-P070150	7000-P4161-P070300	7000-P4161-P070500	7000-P4161-P070750	7000-P4161-P071000
	Male 90° / Female 90°, 4 x 1.5	7000-P4171-P070150	7000-P4171-P070300	7000-P4171-P070500	7000-P4171-P070750	7000-P4171-P071000
	Female 90° / Male 90°, 4 x 1.5	7000-P4171-P070150	7000-P4171-P070300	7000-P4171-P070500	7000-P4171-P070750	7000-P4171-P071000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	Front wall assembly Male with wire, 4 x 1.5	7000-P4181-9440020	7000-P4181-9440050	7000-P4181-9440100		
	Front wall assembly Male with wire, 4 x 2.5	7000-P4181-9260020	7000-P4181-9260050	7000-P4181-9260100		
	Front wall assembly Female with wire, 4 x 1.5	7000-P4191-9440020	7000-P4191-9440050	7000-P4191-9440100		
	Front wall assembly Female with wire, 4 x 2.5	7000-P4191-9260020	7000-P4191-9260050	7000-P4191-9260100		
 Image similar	Rear wall assembly Male with wire, 4 x 1.5	7000-P4185-9440020	7000-P4185-9440050	7000-P4185-9440100		
	Rear wall assembly Male with wire, 4 x 2.5	7000-P4185-9260020	7000-P4185-9260050	7000-P4185-9260100		
 Image similar	Rear wall assembly Female with wire, 4 x 1.5	7000-P4195-9440020	7000-P4195-9440050	7000-P4195-9440100		
	Rear wall assembly Female with wire, 4 x 2.5	7000-P4195-9260020	7000-P4195-9260050	7000-P4195-9260100		
Distribution	Description					
	T-coupler (1 x male 2 x females)	7000-P4901-0000000				
	H-coupler (1 x male 3 x females)	7000-P4902-0000000				
	h-coupler (1 x male 2 x females)	7000-P4903-0000000				
Adapter 7/8"	Description	0.2 m	0.5 m	1.0 m		
	M12 male / 7/8" female, 4 x 1.5	7000-P4504-P070020	7000-P4504-P070050	7000-P4504-P070100		
	M12 male / 7/8" female, 4 x 2.5	7000-P4501-P370020	7000-P4501-P370050	7000-P4501-P370100		
	M12 female / 7/8" male, 4 x 1.5	7000-P4544-P070020	7000-P4544-P070050	7000-P4544-P070100		
	M12 female / 7/8" male, 4 x 2.5	7000-P4541-P370020	7000-P4541-P370050	7000-P4541-P370100		

L-KODIERT L-CODED M12-POWER | 5-POLE (4+FE)

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0°, 5 x 1.5	7000-P4201-P040150	7000-P4201-P040300	7000-P4201-P040500	7000-P4201-P040750	7000-P4201-P041000
	Male 0°, 5 x 2.5	7000-P4201-P340150	7000-P4201-P340300	7000-P4201-P340500	7000-P4201-P340750	7000-P4201-P341000
	Female 0°, 5 x 1.5	7000-P4221-P040150	7000-P4221-P040300	7000-P4221-P040500	7000-P4221-P040750	7000-P4221-P041000
	Female 0°, 5 x 2.5	7000-P4221-P340150	7000-P4221-P340300	7000-P4221-P340500	7000-P4221-P340750	7000-P4221-P341000
	Male 90°, 5 x 1.5	7000-P4211-P040150	7000-P4211-P040300	7000-P4211-P040500	7000-P4211-P040750	7000-P4211-P041000
	Female 90°, 5 x 1.5	7000-P4231-P040150	7000-P4231-P040300	7000-P4231-P040500	7000-P4231-P040750	7000-P4231-P041000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0° / Female 0°, 5 x 1.5	7000-P4241-P040150	7000-P4241-P040300	7000-P4241-P04500	7000-P4241-P040750	7000-P4241-P041000
	Male 0° / Female 0°, 5 x 2.5	7000-P4241-P340150	7000-P4241-P340300	7000-P4241-P340500	7000-P4241-P340750	7000-P4241-P341000
	Male 0° / Female 90°, 5 x 1.5	7000-P4251-P040150	7000-P4251-P040300	7000-P4251-P040500	7000-P4251-P040750	7000-P4251-P041000
	Male 90° / Female 0°, 5 x 1.5	7000-P4261-P040150	7000-P4261-P040300	7000-P4261-P040500	7000-P4261-P040750	7000-P4261-P041000
	Male 90° / Female 90°, 5 x 1.5	7000-P4271-P040150	7000-P4271-P040300	7000-P4271-P040500	7000-P4271-P040750	7000-P4271-P041000
	Female 90° / Male 90°, 5 x 1.5	7000-P4271-P040150	7000-P4271-P040300	7000-P4271-P040500	7000-P4271-P040750	7000-P4271-P041000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	Front wall assembly Male with wire, 5 x 1.5	7000-P4281-9800020	7000-P4281-9800050	7000-P4281-9800100		
	Front wall assembly Male with wire, 5 x 2.5	7000-P4281-9270020	7000-P4281-9270050	7000-P4281-9270100		
	Front wall assembly Female with wire, 5 x 1.5	7000-P4291-9800020	7000-P4291-9800050	7000-P4291-9800100		
	Front wall assembly Female with wire, 5 x 2.5	7000-P4291-9270020	7000-P4291-9270050	7000-P4291-9270100		
 Image similar	Rear wall assembly Male with wire, 5 x 1.5	7000-P4285-9800020	7000-P4285-9800050	7000-P4285-9800100		
	Rear wall assembly Male with wire, 5 x 2.5	7000-P4285-9270020	7000-P4285-9270050	7000-P4285-9270100		
 Image similar	Rear wall assembly Female with wire, 5 x 1.5	7000-P4295-9800020	7000-P4295-9800050	7000-P4295-9800100		
	Rear wall assembly Female with wire, 5 x 2.5	7000-P4295-9270020	7000-P4295-9270050	7000-P4295-9270100		
Distribution	Description					
	T-coupler (1 x male 2 x females)	7000-P4901-0000000				
	H-coupler (1 x male 3 x females)	7000-P4902-0000000				
	h-coupler (1 x male 2 x females)	7000-P4903-0000000				
Adapter 7/8"	Description	0.2 m	0.5 m	1.0 m		
	M12 male / 7/8" female, 5 x 1.5	7000-P4501-P040020	7000-P4501-P040050	7000-P4501-P040100		
	M12 male / 7/8" female, 5 x 2.5	7000-P4501-P340020	7000-P4501-P340050	7000-P4501-P340100		
	M12 female / 7/8" male, 5 x 1.5	7000-P4541-P040020	7000-P4541-P040050	7000-P4541-P040100		
	M12 female / 7/8" male, 5 x 2.5	7000-P4541-P340020	7000-P4541-P340050	7000-P4541-P340100		

ORDER DATA FOR K-CODED M12-POWER | 5-POLE (4+PE)

Open ends	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0°, 5x1.5	7000-P3201-P150150	7000-P3201-P150300	7000-P3201-P150500	7000-P3201-P150750	7000-P3201-P151000
	Male 0°, 5x2.5	7000-P3201-P350150	7000-P3201-P350300	7000-P3201-P350500	7000-P3201-P350750	7000-P3201-P351000
	Female 0°, 5x1.5	7000-P3221-P150150	7000-P3221-P150300	7000-P3221-P150500	7000-P3221-P150750	7000-P3221-P151000
	Female 0°, 5x2.5	7000-P3221-P350150	7000-P3221-P350300	7000-P3221-P350500	7000-P3221-P350750	7000-P3221-P351000
	Male 90°, 5x1.5	7000-P3211-P150150	7000-P3211-P150300	7000-P3211-P150500	7000-P3211-P150750	7000-P3211-P151000
	Female 90°, 5x1.5	7000-P3231-P150150	7000-P3231-P150300	7000-P3231-P150500	7000-P3231-P150750	7000-P3231-P151000
Connecting cable	Description	1.5 m	3.0 m	5.0 m	7.5 m	10.0 m
	Male 0° / Female 0°, 5x1.5	7000-P3241-P150150	7000-P3241-P150300	7000-P3241-P150500	7000-P3241-P150750	7000-P3241-P151000
	Male 0° / Female 0°, 5x2.5	7000-P3241-P350150	7000-P3241-P350300	7000-P3241-P350500	7000-P3241-P350750	7000-P3241-P351000
	Male 0° / Female 90°, 5x1.5	7000-P3251-P150150	7000-P3251-P150300	7000-P3251-P150500	7000-P3251-P150750	7000-P3251-P151000
	Male 90° / Female 0°, 5x1.5	7000-P3261-P150150	7000-P3261-P150300	7000-P3261-P150500	7000-P3261-P150750	7000-P3261-P151000
	Male 90° / Female 90°, 5x1.5	7000-P3271-P150150	7000-P3271-P150300	7000-P3271-P150500	7000-P3271-P150750	7000-P3271-P151000
	Male 90° / Female 90°, 5x2.5	7000-P3271-P350150	7000-P3271-P350300	7000-P3271-P350500	7000-P3271-P350750	7000-P3271-P351000
Flanges	Description	0.2 m	0.5 m	1.0 m		
	Front wall assembly Male with wire, 5x1.5	7000-P3281-9880020	7000-P3281-9880050	7000-P3281-9880100		
	Front wall assembly Male with wire, 5x2.5	7000-P3281-9280020	7000-P3281-9280050	7000-P3281-9280100		
	Front wall assembly Female with wire, 5x1.5	7000-P3291-9880020	7000-P3291-9880050	7000-P3291-9880100		
	Front wall assembly Female with wire, 5x2.5	7000-P3291-9280020	7000-P3291-9280050	7000-P3291-9280100		
 Image similar	Rear wall assembly Male with wire, 5x1.5	7000-P3285-9880020	7000-P3285-9880050	7000-P3285-9880100		
	Rear wall assembly Male with wire, 5x2.5	7000-P3285-9280020	7000-P3285-9280050	7000-P3285-9280100		
 Image similar	Rear wall assembly Female with wire, 5x1.5	7000-P3295-9880020	7000-P3295-9880050	7000-P3295-9880100		
	Rear wall assembly Female with wire, 5x2.5	7000-P3295-9280020	7000-P3295-9280050	7000-P3295-9280100		
Distribution	Description					
	T-coupler (1 x male 2 x females)	7000-P3901-0000000				
	H-coupler (1 x male 3 x females)	7000-P3902-0000000				
	h-coupler (1 x male 2 x females)	7000-P3903-0000000				
Field-wireable	Description					
	Male	7000-P3591-0000000				
	Female	7000-P3611-0000000				

NOTES

A large grid of small dots for taking notes, consisting of approximately 30 columns and 40 rows of dots.





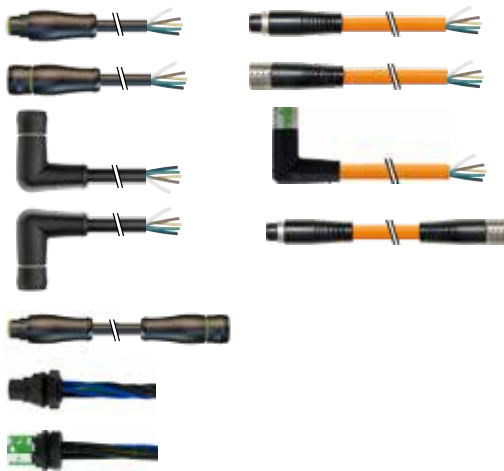
MQ15 POWER CONNECTORS SMALL AND POWERFUL

MOUNTING WITH QUICK CONNECTION TECHNOLOGY

The MQ15 has a practical quick connection system. A quarter turn is all that is needed to create an IP67 rated connection. This saves time (up to 80 %) during installation. The MQ15 is suitable for asynchronous and three-phase motors up to 7.5 kW and is ideal for power distribution. Receptacles are available so you can install MQ15 connections on existing asynchronous and three-phase motors.

- 600V AC/DC
- 6-pole (3 power contacts up to 16 A, 2 auxiliary contacts up to 10 A, PE)
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Suitable for use in the toughest industrial applications
- Halogen-free PUR overmold
- Shielded and unshielded versions available

MQ15 POWER CONNECTORS

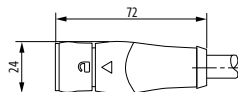


AVAILABLE CONFIGURATIONS

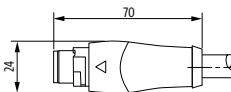
- Straight MQ15 male with open ends
- Straight MQ15 female with open ends
- MQ15 female 90° to the left or right with open ends
- Straight MQ15 male to straight MQ15 female
- Male or female receptacle
- Male or female field wireable
- Shielded and unshielded versions available
- PUR cables, suitable for drag chains and torsion-resistant
- PVC cables, cost-effective, chemical resistant
- Quick connection technology
- Integrated conduit retainer

DIMENSION DRAWING

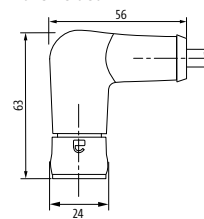
MQ15 Female, 0°
unshielded



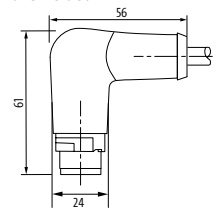
MQ15 Male, 0°
unshielded



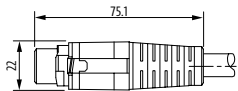
MQ15 Female, 90°
unshielded



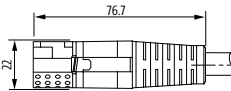
MQ15 Male, 90°
unshielded



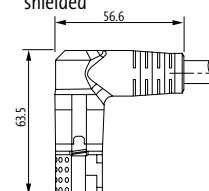
MQ15 Female, 0°
shielded



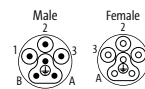
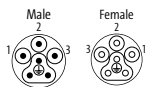
MQ15 Male, 0°
shielded



MQ15 Female, 90°
shielded



TECHNICAL DATA



General data	4-pole	6-pole
Contact arrangement	3 + PE	3 + PE +2
Temperature range (°C)		
Mobile installation:	-20 ... +60	-20 ... +60
Fixed installation:	-25 ... +80	-25 ... +80
Protection when plugged	IP67	IP67
Enclosure EMC shielding	No	No
Locking mechanism	Quick connect	Quick connect
Max. mating cycles	500	500
Tightening torque (Nm)	–	–
Wire cross section (mm²)	1.5 2.5	1.5 2.5
Standardization / approval	UL	UL
Electrical data	4-pole	6-pole
Rated current (A)	max. 13 (1.5 mm²) max. 16 (2.5 mm²)	max. 13 (1.5 mm²) max. 16 (2.5 mm²)
Rated voltage AC/DC (V)	max. 600	max. 600

ORDER DATA FOR MQ15 | 4-POLE (3+PE) | UNSHIELDED

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0°, 4 x 1.5 (PUR)	7000-P8201-P160100	7000-P8201-P160200	7000-P8201-P160300	7000-P8201-P160500	7000-P8201-P161000
	Male 0°, 4 x 1.5 (PVC)	7000-P8201-P710100	7000-P8201-P710200	7000-P8201-P710300	7000-P8201-P710500	7000-P8201-P711000
	Male 0°, 4 x 2.5 (PUR)	7000-P8201-P360100	7000-P8201-P360200	7000-P8201-P360300	7000-P8201-P360500	7000-P8201-P361000
	Male 0°, 4 x 2.5 (PVC)	7000-P8201-P720100	7000-P8201-P720200	7000-P8201-P720300	7000-P8201-P720500	7000-P8201-P721000
	Female 0°, 4 x 1.5 (PUR)	7000-P8221-P160100	7000-P8221-P160200	7000-P8221-P160300	7000-P8221-P160500	7000-P8221-P161000
	Female 0°, 4 x 1.5 (PVC)	7000-P8221-P710100	7000-P8221-P710200	7000-P8221-P710300	7000-P8221-P710500	7000-P8221-P711000
	Female 0°, 4 x 2.5 (PUR)	7000-P8221-P360100	7000-P8221-P360200	7000-P8221-P360300	7000-P8221-P360500	7000-P8221-P361000
	Female 0°, 4 x 2.5 (PVC)	7000-P8221-P720100	7000-P8221-P720200	7000-P8221-P720300	7000-P8221-P720500	7000-P8221-P721000
	Female 90°, right, 4 x 1.5 (PUR)	7000-P8231-P160100	7000-P8231-P160200	7000-P8231-P160300	7000-P8231-P160500	7000-P8231-P161000
	Female 90°, right, 4 x 1.5 (PVC)	7000-P8231-P710100	7000-P8231-P710200	7000-P8231-P710300	7000-P8231-P710500	7000-P8231-P711000
	Female 90°, right, 4 x 2.5 (PUR)	7000-P8231-P360100	7000-P8231-P360200	7000-P8231-P360300	7000-P8231-P360500	7000-P8231-P361000
	Female 90°, right, 4 x 2.5 (PVC)	7000-P8231-P720100	7000-P8231-P720200	7000-P8231-P720300	7000-P8231-P720500	7000-P8231-P721000
	Female 90°, left, 4 x 1.5 (PUR)	7000-P8232-P160100	7000-P8232-P160200	7000-P8232-P160300	7000-P8232-P160500	7000-P8232-P161000
	Female 90°, left, 4 x 1.5 (PVC)	7000-P8232-P710100	7000-P8232-P710200	7000-P8232-P710300	7000-P8232-P710500	7000-P8232-P711000
	Female 90°, left, 4 x 2.5 (PUR)	7000-P8232-P360100	7000-P8232-P360200	7000-P8232-P360300	7000-P8232-P360500	7000-P8232-P361000
	Female 90°, left, 4 x 2.5 (PVC)	7000-P8232-P720100	7000-P8232-P720200	7000-P8232-P720300	7000-P8232-P720500	7000-P8232-P721000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0° / Female 0°, 4 x 1.5 (PUR)	7000-P8241-P160100	7000-P8241-P160200	7000-P8241-P160300	7000-P8241-P160500	7000-P8241-P161000
	Male 0° / Female 0°, 4 x 1.5 (PVC)	7000-P8241-P710100	7000-P8241-P710200	7000-P8241-P710300	7000-P8241-P710500	7000-P8241-P711000
	Male 0° / Female 0°, 4 x 2.5 (PUR)	7000-P8241-P360100	7000-P8241-P360200	7000-P8241-P360300	7000-P8241-P360500	7000-P8241-P361000
	Male 0° / Female 0°, 4 x 2.5 (PVC)	7000-P8241-P720100	7000-P8241-P720200	7000-P8241-P720300	7000-P8241-P720500	7000-P8241-P721000
Flanges	Description	0.15 m	0.25 m	0.50 m	1.0 m	
	Front wall assembly Male with wire, 4 x 1.5	7000-P8081-P810015	7000-P8081-P810025	7000-P8081-P810050	7000-P8081-P810100	
	Front wall assembly Male with wire, 4 x 2.5	7000-P8081-P820015	7000-P8081-P820025	7000-P8081-P820050	7000-P8081-P820100	
	Front wall assembly Female with wire, 4 x 1.5	7000-P8091-P810015	7000-P8091-P810025	7000-P8091-P810050	7000-P8091-P810100	
	Front wall assembly Female with wire, 4 x 2.5	7000-P8091-P820015	7000-P8091-P820025	7000-P8091-P820050	7000-P8091-P820100	
Field-wireable	Description					
	Male	7000-P8501-0000000				
	Female	7000-P8541-0000000				
	Plug contact 1.5 mm ²	7000-P8911-0000000				
	Socket contact 1.5 mm ²	7000-P8912-0000000				
	Plug contact 2.5 mm ²	7000-P8913-0000000				
	Socket contact 2.5 mm ²	7000-P8914-0000000				

ORDER DATA FOR MQ15 | 6-POLE | UNSHIELDED

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0°, 6 x 1.5 (PUR)	7000-P8101-P640100	7000-P8101-P640200	7000-P8101-P640300	7000-P8101-P640500	7000-P8101-P641000
	Male 0°, 6 x 1.5 (PVC)	7000-P8101-P730100	7000-P8101-P730200	7000-P8101-P730300	7000-P8101-P730500	7000-P8101-P731000
	Male 0°, 6 x 2.5 (PUR)	7000-P8101-P630100	7000-P8101-P630200	7000-P8101-P630300	7000-P8101-P630500	7000-P8101-P631000
	Male 0°, 6 x 2.5 (PVC)	7000-P8101-P740100	7000-P8101-P740200	7000-P8101-P740300	7000-P8101-P740500	7000-P8101-P741000
	Female 0°, 6 x 1.5 PUR	7000-P8121-P640100	7000-P8121-P640200	7000-P8121-P640300	7000-P8121-P640500	7000-P8121-P641000
	Female 0°, 6 x 1.5 (PVC)	7000-P8121-P730100	7000-P8121-P730200	7000-P8121-P730300	7000-P8121-P730500	7000-P8121-P731000
	Female 0°, 6 x 2.5 (PUR)	7000-P8121-P630100	7000-P8121-P630200	7000-P8121-P630300	7000-P8121-P630500	7000-P8121-P631000
	Female 0°, 6 x 2.5 (PVC)	7000-P8121-P740100	7000-P8121-P740200	7000-P8121-P740300	7000-P8121-P740500	7000-P8121-P741000
	Female 90°, right, 6 x 1.5 (PUR)	7000-P8131-P640100	7000-P8131-P640200	7000-P8131-P640300	7000-P8131-P640500	7000-P8131-P641000
	Female 90°, right, 6 x 1.5 (PVC)	7000-P8131-P730100	7000-P8131-P730200	7000-P8131-P730300	7000-P8131-P730500	7000-P8131-P731000
	Female 90°, right, 6 x 2.5 (PUR)	7000-P8131-P630100	7000-P8131-P630200	7000-P8131-P630300	7000-P8131-P630500	7000-P8131-P631000
	Female 90°, right, 6 x 2.5 (PVC)	7000-P8131-P740100	7000-P8131-P740200	7000-P8131-P740300	7000-P8131-P740500	7000-P8131-P741000
	Female 90°, left, 6 x 1.5 (PUR)	7000-P8132-P640100	7000-P8132-P640200	7000-P8132-P640300	7000-P8132-P640500	7000-P8132-P641000
	Female 90°, left, 6 x 1.5 (PVC)	7000-P8132-P730100	7000-P8132-P730200	7000-P8132-P730300	7000-P8132-P730500	7000-P8132-P731000
	Female 90°, left, 6 x 2.5 (PUR)	7000-P8132-P630100	7000-P8132-P630200	7000-P8132-P630300	7000-P8132-P630500	7000-P8132-P631000
	Female 90°, left, 6 x 2.5 (PVC)	7000-P8132-P740100	7000-P8132-P740200	7000-P8132-P740300	7000-P8132-P740500	7000-P8132-P741000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0° / Female 0°, 6 x 1.5 (PUR)	7000-P8141-P640100	7000-P8141-P640200	7000-P8141-P640300	7000-P8141-P640500	7000-P8141-P641000
	Male 0° / Female 0°, 6 x 1.5 (PVC)	7000-P8141-P730100	7000-P8141-P730200	7000-P8141-P730300	7000-P8141-P730500	7000-P8141-P731000
	Male 0° / Female 0°, 6 x 2.5 (PUR)	7000-P8141-P630100	7000-P8141-P630200	7000-P8141-P630300	7000-P8141-P630500	7000-P8141-P631000
	Male 0° / Female 0°, 6 x 2.5 (PVC)	7000-P8141-P740100	7000-P8141-P740200	7000-P8141-P740300	7000-P8141-P740500	7000-P8141-P741000
Flanges	Description	0.15 m	0.25 m	0.50 m	1.0 m	
	Front wall assembly Male with wire, 6 x 1.5	7000-P8181-P830015	7000-P8181-P830025	7000-P8181-P830050	7000-P8181-P830100	
	Front wall assembly Male with wire, 6 x 2.5	7000-P8181-P800015	7000-P8181-P800025	7000-P8181-P800050	7000-P8181-P800100	
	Front wall assembly Female with wire, 6 x 1.5	7000-P8191-P830015	7000-P8191-P830025	7000-P8191-P830050	7000-P8191-P830100	
	Front wall assembly Female with wire, 6 x 2.5	7000-P8191-P800015	7000-P8191-P800025	7000-P8191-P800050	7000-P8191-P800100	
Field-wireable	Description					
	Male	7000-P8501-0000000				
	Female	7000-P8541-0000000				
	Plug contact 1.5mm ²	7000-P8911-0000000				
	Socket contact 1.5mm ²	7000-P8912-0000000				
	Plug contact 2.5mm ²	7000-P8913-0000000				
	Socket contact 2.5mm ²	7000-P8914-0000000				

ORDER DATA FOR MQ15 | 4-POLE | SHIELDED









Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0°, 4 x 1.5 (PUR)	7000-P8001-P120100	7000-P8001-P120200	7000-P8001-P120300	7000-P8001-P120500	7000-P8001-P121000
	Male 0°, 4 x 2.5 (PUR)	7000-P8001-P130100	7000-P8001-P130200	7000-P8001-P130300	7000-P8001-P130500	7000-P8001-P131000
	Female 0°, 4 x 1.5 (PUR)	7000-P8021-P120100	7000-P8021-P120200	7000-P8021-P120300	7000-P8021-P120500	7000-P8021-P121000
	Female 0°, 4 x 2.5 (PUR)	7000-P8021-P130100	7000-P8021-P130200	7000-P8021-P130300	7000-P8021-P130500	7000-P8021-P131000
	Female 90°, right, 4 x 1.5 (PUR)	7000-P8031-P120100	7000-P8031-P120200	7000-P8031-P120300	7000-P8031-P120500	7000-P8031-P121000
	Female 90°, right, 4 x 2.5 (PUR)	7000-P8031-P130100	7000-P8031-P130200	7000-P8031-P130300	7000-P8031-P130500	7000-P8031-P131000
	Female 90°, left, 4 x 1.5 (PUR)	7000-P8031-P120100	7000-P8031-P120200	7000-P8031-P120300	7000-P8031-P120500	7000-P8031-P121000
	Female 90°, left, 4 x 2.5 (PUR)	7000-P8031-P130100	7000-P8031-P130200	7000-P8031-P130300	7000-P8031-P130500	7000-P8031-P131000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0° / Female 0°, 4 x 1.5 (PUR)	7000-P8041-P120100	7000-P8041-P120200	7000-P8041-P120300	7000-P8041-P120500	7000-P8041-P121000
	Male 0° / Female 0°, 4 x 2.5 (PUR)	7000-P8041-P130100	7000-P8041-P130200	7000-P8041-P130300	7000-P8041-P130500	7000-P8041-P131000
Flanges	Description	0.15 m	0.25 m	0.50 m	1.0 m	
	Front wall assembly Male with wire, 4 x 1.5	7000-P8281-P810015	7000-P8281-P810025	7000-P8281-P810050	7000-P8281-P810100	
	Front wall assembly Male with wire, 4 x 2.5	7000-P8281-P820015	7000-P8281-P820025	7000-P8281-P820050	7000-P8281-P820100	
	Front wall assembly Female with wire, 4 x 1.5	7000-P8291-P810015	7000-P8291-P810025	7000-P8291-P810050	7000-P8291-P810100	
	Front wall assembly Female with wire, 4 x 2.5	7000-P8291-P820015	7000-P8291-P820025	7000-P8291-P820050	7000-P8291-P820100	
Field-wireable	Description					
	Male, 7...12 mm Cable diameter	7000-P8521-0000000				
	Male, 10...14 mm Cable diameter	7000-P8522-0000000				
	Female, 7...12 mm Cable diameter	7000-P8561-0000000				
	Female, 10...14 mm Cable diameter	7000-P8562-0000000				
	Plug contact 1.5 mm ²	7000-P8911-0000000				
	Socket contact 1.5 mm ²	7000-P8912-0000000				
	Plug contact 2.5 mm ²	7000-P8913-0000000				
	Socket contact 2.5 mm ²	7000-P8914-0000000				

Image similar

ORDER DATA FOR MQ15 | 6-POLE | SHIELDED









Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0°, 4 x 2.5 + 2 x 1.5 (PUR)	7000-P8301-P110100	7000-P8301-P110200	7000-P8301-P110300	7000-P8301-P110500	7000-P8301-P111000
	Female 0°, 4 x 2.5 + 2 x 1.5 (PUR)	7000-P8321-P110100	7000-P8321-P110200	7000-P8321-P110300	7000-P8321-P110500	7000-P8321-P111000
	Female 90°, right, 4 x 2.5 + 2 x 1.5 (PUR)	7000-P8331-P110100	7000-P8331-P110200	7000-P8331-P110300	7000-P8331-P110500	7000-P8331-P111000
	Female 90°, left, 4 x 2.5 + 2 x 1.5 (PUR)	7000-P8332-P110100	7000-P8332-P110200	7000-P8332-P110300	7000-P8332-P110500	7000-P8332-P111000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	Male 0° / Female 0°, 4 x 2.5 + 2 x 1.5 (PUR)	7000-P8341-P110100	7000-P8341-P110200	7000-P8341-P110300	7000-P8341-P110500	7000-P8341-P111000
Flanges	Description	0.15 m	0.25 m	0.50 m	1.0 m	
	Front wall assembly Male with wire, 4 x 1.5	7000-P8381-P830015	7000-P8381-P830025	7000-P8381-P830050	7000-P8381-P830100	
	Front wall assembly Male with wire, 4 x 2.5	7000-P8381-P800015	7000-P8381-P800025	7000-P8381-P800050	7000-P8381-P800100	
	Front wall assembly Female with wire, 4 x 1.5	7000-P8391-P830015	7000-P8391-P830025	7000-P8391-P830050	7000-P8391-P830100	
	Front wall assembly Female with wire, 4 x 2.5	7000-P8391-P800015	7000-P8391-P800025	7000-P8391-P800050	7000-P8391-P800100	
Field-wireable	Description					
	Male, 7...12 mm Cable diameter	7000-P8521-0000000				
	Male, 10...14 mm Cable diameter	7000-P8522-0000000				
	Female, 7...12 mm Cable diameter	7000-P8561-0000000				
	Female, 10...14 mm Cable diameter	7000-P8562-0000000				
	Plug contact 1.5 mm ²	7000-P8911-0000000				
	Socket contact 1.5 mm ²	7000-P8912-0000000				
	Plug contact 2.5 mm ²	7000-P8913-0000000				
	Socket contact 2.5 mm ²	7000-P8914-0000000				

Image similar



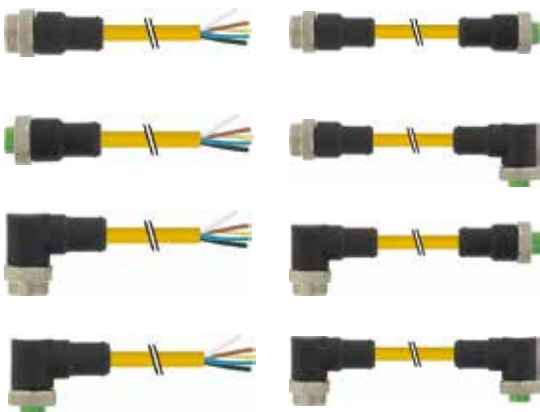
7/8" (MINI) CONNECTORS THE TRUSTED POWER CONNECTION FOR DECADES

STRONG COMPACT POWER PLUGS

Mini (7/8") cables have been the established choice for power and signal control. These c(UL)us listed cables are an industry standard in the North American and have been used worldwide for decades powering components and devices. The robust cables are suitable for connecting sensors, actuators and many other components.

- Full assortment of connector head styles and configurations.
- Connector variations ranging from 3, 4 or 5-pole options.
- Broad product portfolio with many options of cable jacket material and color
- Tray-rated TPE cable jacket option
- Halogen-free PUR cable jacket option

7/8" (MINI) CONNECTORS

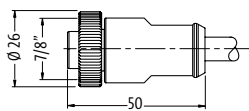


AVAILABLE CONFIGURATIONS

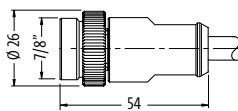
- Straight 7/8" (Mini) male to straight 7/8" (Mini) female
- Straight 7/8" (Mini) male with open ends
- Straight 7/8" (Mini) female with open ends
- PUR cables, halogen-free
- TPE cable, flame retardant, good resistance to oil, petrol and chemicals
- Quick connection technology
- Wrench flat SW24

DIMENSION DRAWING

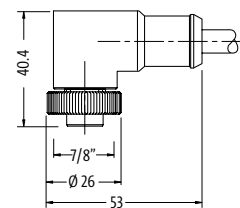
7/8" (Mini) Female, 0°



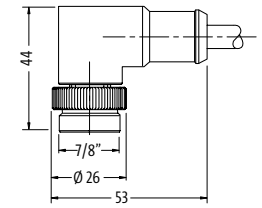
7/8" (Mini) Male, 0°



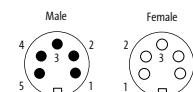
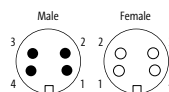
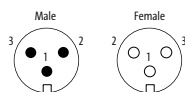
7/8" (Mini) Female, 90°



7/8" (Mini) Male, 90°











TECHNICAL DATA



General data	3-pole	4-pole	5-pole
Contact arrangement	3	4	5
Temperature range (°C)			
Mobile installation:	-50...+105	-50...+105	-50...+105
Fixed installation:	-20...+90	-20...+90	-20...+90
Protection when plugged	IP67	IP67	IP67
Enclosure EMC shielding	No	No	No
Lock / thread type	Threaded connection / M23	Threaded connection / M23	Threaded connection / M23
Min. mating cycles	500	500	500
Tightening torque (Nm)	1.5	1.5	1.5
Wire cross section (mm ²)	1.5	1.5	1.5
Standardization / approval	UL + CSA	UL + CSA	UL + CSA
Electrical data	3-pole	4-pole	5-pole
Rated current (A)	max 12	max. 9	max. 9
Rated voltage AC/DC (V)	max. 600	max. 600	max. 600









ORDER DATA FOR 7/8" (MINI) CONNECTORS | 3-POLE

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3-pole, TPE Male 0°, 3 x 1.5	7700-A3001-U1B0100	7700-A3001-U1B0200	7700-A3001-U1B0300	7700-A3001-U1B0500	7700-A3001-U1B1000
	3-pole, PUR Male 0°, 3 x 1.5	7700-A3001-UMB0100	7700-A3001-UMB0200	7700-A3001-UMB0300	7700-A3001-UMB0500	7700-A3001-UMB1000
	3-pole, TPE Female 0°, 3 x 1.5	7700-A3021-U1B0100	7700-A3021-U1B0200	7700-A3021-U1B0300	7700-A3021-U1B0500	7700-A3021-U1B1000
	3-pole, PUR Female 0°, 3 x 1.5	7700-A3021-UMB0100	7700-A3021-UMB0200	7700-A3021-UMB0300	7700-A3021-UMB0500	7700-A3021-UMB1000
	3-pole, TPE Male 90°, 3 x 1.5	7700-A3011-U1B0100	7700-A3011-U1B0200	7700-A3011-U1B0300	7700-A3011-U1B0500	7700-A3011-U1B1000
	3-pole, PUR Male 90°, 3 x 1.5	7700-A3011-UMB0100	7700-A3011-UMB0200	7700-A3011-UMB0300	7700-A3011-UMB0500	7700-A3011-UMB1000
	3-pole, TPE Female 90°, 3 x 1.5	7700-A3031-U1B0100	7700-A3031-U1B0200	7700-A3031-U1B0300	7700-A3031-U1B0500	7700-A3031-U1B1000
	3-pole, PUR Female 90°, 3 x 1.5	7700-A3031-UMB0100	7700-A3031-UMB0200	7700-A3031-UMB0300	7700-A3031-UMB0500	7700-A3031-UMB1000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	3-pole, TPE Male 0°/ Female 0°, 3 x 1.5	7700-A3A01-U1B0100	7700-A3A01-U1B0200	7700-A3A01-U1B0300	7700-A3A01-U1B0500	7700-A3A01-U1B1000
	3-pole, PUR Male 0°/ Female 0°, 3 x 1.5	7700-A3A01-UMB0100	7700-A3A01-UMB0200	7700-A3A01-UMB0300	7700-A3A01-UMB0500	7700-A3A01-UMB1000
	3-pole, TPE Male 0°/ Female 90°, 3 x 1.5	7700-A3A21-U1B0100	7700-A3A21-U1B0200	7700-A3A21-U1B0300	7700-A3A21-U1B0500	7700-A3A21-U1B1000
	3-pole, PUR Male 0°/ Female 90°, 3 x 1.5	7700-A3A21-UMB0100	7700-A3A21-UMB0200	7700-A3A21-UMB0300	7700-A3A21-UMB0500	7700-A3A21-UMB1000
	3-pole, TPE Male 90°/ Female 0°, 3 x 1.5	7700-A3A11-U1B0100	7700-A3A11-U1B0200	7700-A3A11-U1B0300	7700-A3A11-U1B0500	7700-A3A11-U1B1000
	3-pole, PUR Male 90°/ Female 0°, 3 x 1.5	7700-A3A11-UMB0100	7700-A3A11-UMB0200	7700-A3A11-UMB0300	7700-A3A11-UMB0500	7700-A3A11-UMB1000
	3-pole, TPE Male 90°/ Female 90°, 3 x 1.5	7700-A3A31-U1B0100	7700-A3A31-U1B0200	7700-A3A31-U1B0300	7700-A3A31-U1B0500	7700-A3A31-U1B1000
	3-pole, PUR Male 90°/ Female 90°, 3 x 1.5	7700-A3A31-UMB0100	7700-A3A31-UMB0200	7700-A3A31-UMB0300	7700-A3A31-UMB0500	7700-A3A31-UMB1000

ORDER DATA FOR 7/8" (MINI) CONNECTORS | 4-POLE

Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	4-pole, TPE Male 0°, 4 x 1.5	7700-A4001-U1C0100	7700-A4001-U1C0200	7700-A4001-U1C0300	7700-A4001-U1C0500	7700-A4001-U1C1000
	4-pole, PUR Male 0°, 4 x 1.5	7700-A4001-UMC0100	7700-A4001-UMC0200	7700-A4001-UMC0300	7700-A4001-UMC0500	7700-A4001-UMC1000
	4-pole, TPE Female 0°, 4 x 1.5	7700-A4021-U1C0100	7700-A4021-U1C0200	7700-A4021-U1C0300	7700-A4021-U1C0500	7700-A4021-U1C1000
	4-pole, PUR Female 0°, 3 x 1.5	7700-A4021-UMC0100	7700-A4021-UMC0200	7700-A4021-UMC0300	7700-A4021-UMC0500	7700-A4021-UMC1000
	4-pole, TPE Male 90°, 4 x 1.5	7700-A4011-U1C0100	7700-A4011-U1C0200	7700-A4011-U1C0300	7700-A4011-U1C0500	7700-A4011-U1C1000
	4-pole, PUR Male 90°, 4 x 1.5	7700-A4011-UMC0100	7700-A4011-UMC0200	7700-A4011-UMC0300	7700-A4011-UMC0500	7700-A4011-UMC1000
	4-pole, TPE Female 90°, 4 x 1.5	7700-A4031-U1C0100	7700-A4031-U1C0200	7700-A4031-U1C0300	7700-A4031-U1C0500	7700-A4031-U1C1000
	4-pole, PUR Female 90°, 4 x 1.5	7700-A4031-UMC0100	7700-A4031-UMC0200	7700-A4031-UMC0300	7700-A4031-UMB0500	7700-A4031-UMB1000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	4-pole, TPE Male 0° / Female 0°, 4 x 1.5	7700-A4A01-U1C0100	7700-A4A01-U1C0200	7700-A4A01-U1C0300	7700-A4A01-U1C0500	7700-A4A01-U1C1000
	4-pole, PUR Male 0° / Female 0°, 4 x 1.5	7700-A4A01-UMC0100	7700-A4A01-UMC0200	7700-A4A01-UMC0300	7700-A4A01-UMC0500	7700-A4A01-UMC1000
	4-pole, TPE Male 0° / Female 90°, 4 x 1.5	7700-A4A21-U1C0100	7700-A4A21-U1C0200	7700-A4A21-U1C0300	7700-A4A21-U1C0500	7700-A4A21-U1C1000
	4-pole, PUR Male 0° / Female 90°, 4 x 1.5	7700-A4A21-UMC0100	7700-A4A21-UMC0200	7700-A4A21-UMC0300	7700-A4A21-UMC0500	7700-A4A21-UMC1000
	4-pole, TPE Male 90° / Female 0°, 4 x 1.5	7700-A4A11-U1C0100	7700-A4A11-U1B0200	7700-A4A11-U1B0300	7700-A4A11-U1B0500	7700-A4A11-U1B1000
	4-pole, PUR Male 90° / Female 0°, 4 x 1.5	7700-A4A11-UMC0100	7700-A4A11-UMC0200	7700-A4A11-UMC0300	7700-A4A11-UMC0500	7700-A4A11-UMC1000
	4-pole, TPE Male 90° / Female 90°, 4 x 1.5	7700-A4A31-U1C0100	7700-A4A31-U1C0200	7700-A4A31-U1C0300	7700-A4A31-U1C0500	7700-A4A31-U1C1000
	4-pole, PUR Male 90° / Female 90°, 4 x 1.5	7700-A4A31-UMC0100	7700-A4A31-UMC0200	7700-A4A31-UMC0300	7700-A4A31-UMC0500	7700-A4A31-UMC1000

ORDER DATA FOR 7/8" (MINI) CONNECTORS | 5-POLE

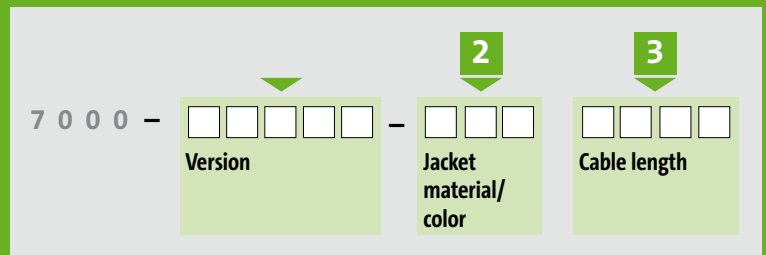
Open ends	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	5-pole, TPE Male 0°, 3x1.5	7700-A5001-U1D0100	7700-A5001-U1D0200	7700-A5001-U1D0300	7700-A5001-U1D0500	7700-A5001-U1D1000
	5-pole, PUR Male 0°, 3x1.5	7700-A5001-UMD0100	7700-A5001-UMD0200	7700-A5001-UMD0300	7700-A5001-UMD0500	7700-A5001-UMD1000
	5-pole, TPE Female 0°, 3x1.5	7700-A5021-U1D0100	7700-A5021-U1D0200	7700-A5021-U1D0300	7700-A5021-U1D0500	7700-A5021-U1D1000
	5-pole, PUR Female 0°, 3x1.5	7700-A5021-UMD0100	7700-A5021-UMD0200	7700-A5021-UMD0300	7700-A5021-UMD0500	7700-A5021-UMD1000
	5-pole, TPE Male 90°, 3x1.5	7700-A5011-U1D0100	7700-A5011-U1D0200	7700-A5011-U1D0300	7700-A5011-U1D0500	7700-A5011-U1D1000
	5-pole, PUR Male 90°, 3x1.5	7700-A5011-UMD0100	7700-A5011-UMD0200	7700-A5011-UMD0300	7700-A5011-UMD0500	7700-A5011-UMD1000
	5-pole, TPE Female 90°, 3x1.5	7700-A5031-U1D0100	7700-A5031-U1D0200	7700-A5031-U1D0300	7700-A5031-U1D0500	7700-A5031-U1D1000
	5-pole, PUR Female 90°, 3x1.5	7700-A5031-UMD0100	7700-A5031-UMD0200	7700-A5031-UMD0300	7700-A5031-UMD0500	7700-A5031-UMD1000
Connecting cable	Description	1.0 m	2.0 m	3.0 m	5.0 m	10.0 m
	5-pole, TPE Male 0°/ Female 0°, 3x1.5	7700-A5A01-U1D0100	7700-A5A01-U1D0200	7700-A5A01-U1D0300	7700-A5A01-U1D0500	7700-A5A01-U1D1000
	5-pole, PUR Male 0°/ Female 0°, 3x1.5	7700-A5A01-UMD0100	7700-A5A01-UMD0200	7700-A5A01-UMD0300	7700-A5A01-UMD0500	7700-A5A01-UMD1000
	5-pole, TPE Male 0°/ Female 90°, 3x1.5	7700-A5A21-U1D0100	7700-A5A21-U1D0200	7700-A5A21-U1D0300	7700-A5A21-U1D0500	7700-A5A21-U1D1000
	5-pole, PUR Male 0°/ Female 90°, 3x1.5	7700-A5A21-UMD0100	7700-A5A21-UMD0200	7700-A5A21-UMD0300	7700-A5A21-UMD0500	7700-A5A21-UMD1000
	5-pole, TPE Male 90°/ Female 0°, 3x1.5	7700-A5A11-U1D0100	7700-A5A11-U1D0200	7700-A5A11-U1D0300	7700-A5A11-U1D0500	7700-A5A11-U1D1000
	5-pole, PUR Male 90°/ Female 0°, 3x1.5	7700-A5A11-UMD0100	7700-A5A11-UMD0200	7700-A5A11-UMD0300	7700-A5A11-UMD0500	7700-A5A11-UMD1000
	5-pole, TPE Male 90°/ Female 90°, 3x1.5	7700-A5A31-U1D0100	7700-A5A31-U1D0200	7700-A5A31-U1D0300	7700-A5A31-U1D0500	7700-A5A31-U1D1000
	5-pole, PUR Male 90°/ Female 90°, 3x1.5	7700-A5A31-UMD0100	7700-A5A31-UMD0200	7700-A5A31-UMD0300	7700-A5A31-UMD0500	0-A5A31-UMD1000



How to Build Your Article Number

Our modular article numbers are designed to make building your part number simple.

The article number for our **M12 Power**, **MQ15X** and **MINI (7/8")** connectors consists of three blocks – one each for the version, jacket material/color and cable length. Cables are available in your choice of length beginning at 2 m and increasing in 0.5 m steps.



Example

Block 1: Version P 4 2 0 1 for M12 power connec. 0°, 5-pole, L-coded
Block 2: Jacket material/color P 0 4 for cable type PUR (UL/CSA), black
Block 3: Cable length 0 1 5 0 for 1.5 m cable length

The entire article number in this example is:

7 0 0 0 - P 4 2 0 1 - P 0 4 0 1 5 0

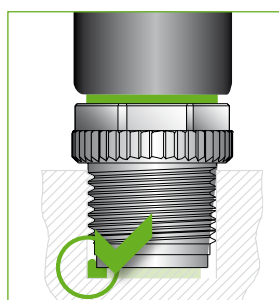


LISTEN FOR THE CLICK – SIMPLE AND SAFE

Our torque wrench connects Murrelektronik M12-, 7/8" and M23 connectors simply and tightly, leaving no room for error.

Just turn until you hear the click – done!

No more sore fingers!



M12	0.6 Nm
7/8"	1.5 Nm
M23	2.0 Nm



M23 CONNECTORS SIMPLE AND SEALED CONNECTION FOR SERVO MOTORS

THE COMPLETE DELIVERY PROGRAM FOR SIEMENS SINAMICS FROM A SINGLE SOURCE

Connect your servo-controllers with drives with our overmolded M23 connectors that are available in a wide variety of contact assignments. For the servo-controller connection, you can choose between double or single ended power cables that are designed to meet the Siemens Sinamics specifications.

- Compatible with Siemens Sinamics S120 and Speedtec
- 6, 8, 12, 17 or 19-pole
- IP67 Rated
- Suitable for use in the toughest industrial applications
- Full PUR overmold



HIGH QUALITY

Murrelektronik connectors are designed to satisfy even the most demanding quality requirements. Our manufacturing process incorporates the extensive knowledge we have developed over many years of producing high-quality M8 and M12 connectors.



PRECISE PROCEDURES

Quality is built in to all of our production steps. For example, we check adherence to the defined target values in crimp contacts during assembly and the pull-off force is tested before and after each tool change.



IP67/68 RATED

The highly resistant and halogen-free PUR molding of the power connectors ensures an IP67/68 rating. The cables are permanently and firmly attached to the connector housing. This not only guarantees strain relief but also makes the connector tamper-proof.
















100 % TESTED

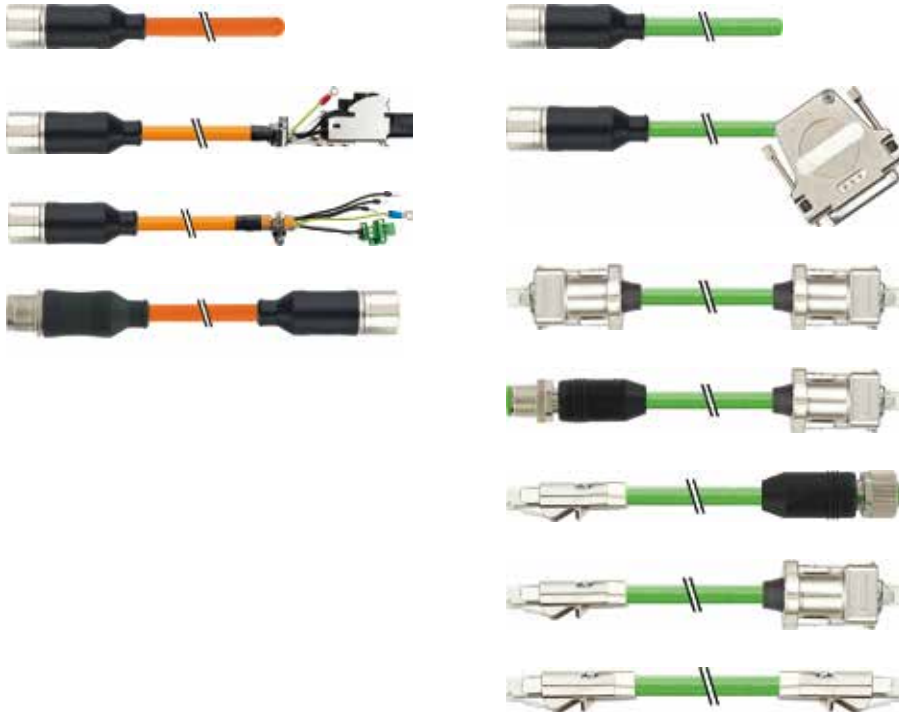
All Murrelektronik connectors are 100 % tested before leaving the plant. They undergo electrical testing, high-voltage testing, functional testing, contact assignment testing, short-circuit testing and even a visual inspection.



MOTOR CABLES FROM MURRELEKTRONIK

Cable types		PVC	PUR
Cable standard		★	★★★★
Properties	 Flame retardant	■	■
	 Resistant to chemicals	■	■
	 Resistant to cleaning agents	■	
	 Resistant to oil/lubricants		■
	 UL certified	■	■
	 CSA certified	■	■
	 UV-resistant		■
	 Halogen-free		■
	 Robust		■
	 Temperature range	-20°...+80°C	-50°...+80°C
	 Suitable for drag chains		5 Mio.
	 Torsion-resistant		±30°
	 Suitable for robots		■
Example applications	Packaging machines Food sector Assembly plants Production lines	Machine tools Turntables and swiveling tables Chipping production	

CONNECTORS FOR SERVO DRIVES



DESCRIPTION

- PVC cables for permanently installed applications
- PUR cables for mobile applications
- Power cables, signal cables, extensions
- Preassembled connectors with and without shielding
- M23, M40, M58 connections
- Drive Cliq
- M12 8-pole
- M12 Y-coded



Connectors for servo drives WITH POWER CONTACT SPRING

The Power contact springs in the Murrelektronik M23 female contacts have remarkable properties:

- ➔ Excellent spring characteristics suitable for high-load environments
- ➔ Can survive more bending cycles than even the best steel springs
- ➔ Great electrical conductivity
- ➔ Mechanical strength
- ➔ Highly resistant towards environmental influences such as ozone as well as chemical influences (e.g. solvents)

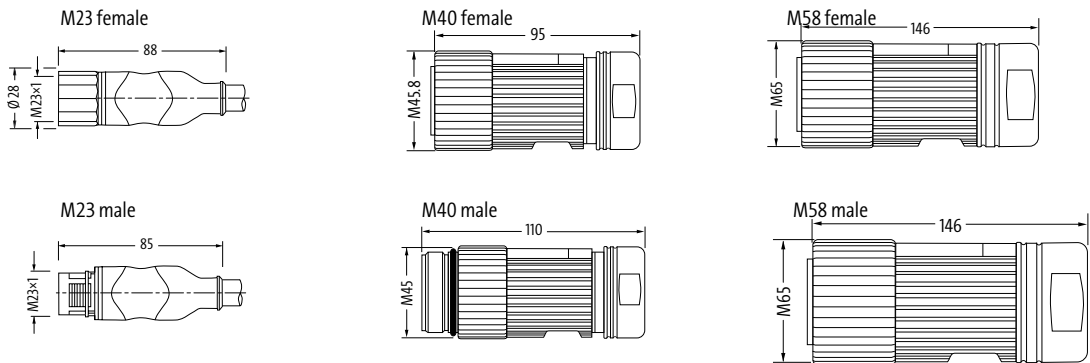


The Power contact springs compensate relative movements of the contacts and hence ensure perfect contacting at all times.

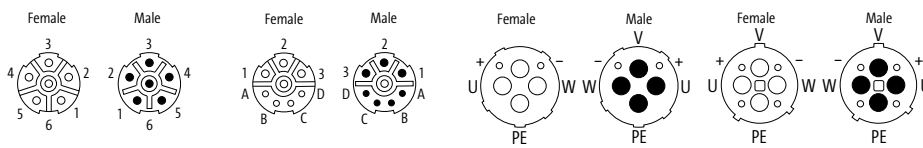
Power contact springs can be used within a large temperature range. The material used has self-cleaning properties while plugging or unplugging electrical connections.

Apart from Murrelektronik connectors, this material is also used in high frequency technology, instrumentation and control, nuclear physics, aerospace applications as well as in IT hardware.

DIMENSION DRAWING OF M23 | M40 | M58 POWER

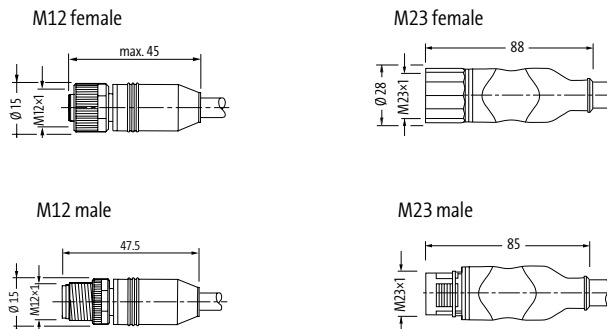


TECHNICAL DATA OF M23 | M40 | M58 POWER

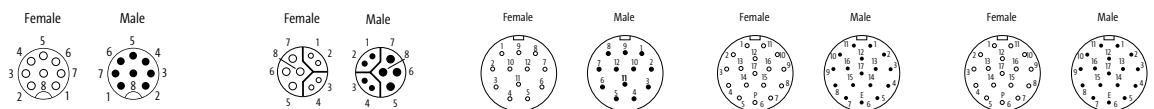


General data	M23		M40		M58	
	6-pole	8-pole	6-pole	8-pole	8-pole	
Contact arrangement	3 + PE +2	3 + PE +4	3 + PE +2	3 + PE +2		
Temperature range (°C)	-25 ... +85	-25 ... +85	-20 ... +130	-20 ... +130		
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67		
Enclosure EMC shielding	ja	ja	ja	ja		
Locking mechanism	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect		
Max. mating cycles	500	500	50	50		
Tightening torque (Nm)	2.0	2.0	–	–		
Wire cross section (mm ²)	1.50 ... 4.00 0.35 ... 1.50	1.50 ... 4.00 0.35 ... 1.50	1.50 ... 16.0 0.35 ... 4.00	10.00 ... 50.0 0.35 ... 1.50		
Electrical data	6-pole	8-pole	6-pole	8-pole		
Rated current (A)	max. 28	max. 28	max. 75	max. 150		
Rated voltage AC/DC (V)	max. 630	max. 630	max. 630	max. 630		

DIMENSION DRAWING M12 | M23 SIGNAL



TECHNICAL DATA M12 | M23 SIGNAL



General data	M12		M23		
	8-pole	8-pole y-coded	12-pole	17-pole	19-pole
Contact arrangement	6- oder 8-pole belegt	8	3 + 9	3 + 14	3 + 16
Temperature range (°C)	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85	-25 ... +85
Protection when plugged	IP65/67	IP65/67	IP65/67	IP65/67	IP65/67
Enclosure EMC shielding	ja	ja	ja	ja	ja
Locking mechanism	Threaded connection	Threaded connection	Threaded connection Quick connect	Threaded connection Quick connect	Threaded connection Quick connect
Max. mating cycles	500	500	500	500	500
Tightening torque (Nm)	0.6	0.6	2.0	2.0	2.0
Wire cross section (mm²)	0.34	0.25/0.6	0.08 ... 0.56 0.34 ... 1.00	0.08 ... 0.56 0.34 ... 1.00	0.08 ... 0.56 0.34 ... 1.00
Electrical data	6-pole	8-pole	12-pole	17-pole	19-pole
Rated current (A)	up to 2 per contact	up to 6 in contacts 5 ... 8 up to 0.5 in contacts 1 ... 4	max. 7.5	max. 7.5	max. 7.5
Rated voltage AC/DC (V)	max. 30	max. 30	max. 125	max. 125	max. 125

ORDER DATA FOR CONNECTORS



Cables are configured according to
SIEMENS STANDARD

DESCRIPTION

Connectors (M23/M40 - M58 upon request) for use with SIEMENS Sinamics drive systems.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: **M6FX8002-2DC10**

**PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONS**

**PUR-MC800+ FOR
MOTION APPLICATIONS**

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-5DN01	7000-PS012-861	6FX8002-5DN01	7000-PS012-821	M23 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN11	7000-PS012-863	6FX8002-5DN11	7000-PS012-833	M23 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN21	7000-PS022-861	6FX8002-5DN21	7000-PS022-821	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN31	7000-PS022-863	6FX8002-5DN31	7000-PS022-833	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN41	7000-PS032-894	6FX8002-5DN41	7000-PS032-895	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN51	7000-PS032-896	6FX8002-5DN51	7000-PS032-897	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DN61	7000-PS052-898	6FX8002-5DN61	7000-PS052-899	M40 preassembled cordset with shielding braid, quick coupling
6FX5002-5DS01	7000-PS011-861	6FX8002-5DS01	7000-PS011-821	M23 preassembled cordset with shielding braid, full thread
6FX5002-5DS11	7000-PS011-863	6FX8002-5DS11	7000-PS011-833	M23 preassembled cordset with shielding braid, full thread
6FX5002-5DS21	7000-PS021-861	6FX8002-5DS21	7000-PS021-821	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS31	7000-PS021-863	6FX8002-5DS31	7000-PS021-833	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS41	7000-PS021-894	6FX8002-5DS41	7000-PS021-895	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS51	7000-PS021-896	6FX8002-5DS51	7000-PS021-897	M40 preassembled cordset with shielding braid, full thread
6FX5002-5DS61	7000-PS021-898	6FX8002-5DS61	7000-PS021-899	M40 preassembled cordset with shielding braid, full thread
6FX5002-5CN01	7000-PS016-865	6FX8002-5CN01	7000-PS016-854	M23 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN11	7000-PS016-869	6FX8002-5CN11	7000-PS016-857	M23 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN21	7000-PS017-865	6FX8002-5CN21	7000-PS017-854	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN31	7000-PS017-869	6FX8002-5CN31	7000-PS017-857	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN41	7000-PS017-890	6FX8002-5CN41	7000-PS017-891	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN51	7000-PS017-892	6FX8002-5CN51	7000-PS017-893	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CN61	7000-PS017-888	6FX8002-5CN61	7000-PS017-889	M40 preassembled cordset without shielding braid, quick coupling
6FX5002-5CS01	7000-PS015-865	6FX8002-5CS01	7000-PS015-854	M23 preassembled cordset without shielding braid, full thread
6FX5002-5CS11	7000-PS015-869	6FX8002-5CS11	7000-PS015-857	M23 preassembled cordset without shielding braid, full thread
6FX5002-5CS21	7000-PS025-865	6FX8002-5CS21	7000-PS025-854	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS31	7000-PS025-869	6FX8002-5CS31	7000-PS025-857	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS41	7000-PS025-890	6FX8002-5CS41	7000-PS025-891	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS51	7000-PS025-892	6FX8002-5CS51	7000-PS025-893	M40 preassembled cordset without shielding braid, full thread
6FX5002-5CS61	7000-PS025-888	6FX8002-5CS61	7000-PS025-889	M40 preassembled cordset without shielding braid, full thread

ORDER DATA FOR CONNECTORS



Cables are configured according to
SIEMENS STANDARD

DESCRIPTION

Connectors with open ends (M23/M40 – M58 upon request) for use with SIEMENS Sinamics drive systems.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: **M6FX8002-2DC10**

PVC-MC500 CABLES FOR PERMANENTLY INSTALLED APPLICATIONS

PUR-MC800+ FOR MOBILE APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	
6FX5002-5DG10	7000-PS346-861	6FX8002-5DG10	7000-PS346-821	M23 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG12	7000-PS347-863	6FX8002-5DG12	7000-PS347-833	M23 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG22	7000-PS348-861	6FX8002-5DG22	7000-PS348-821	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG32	7000-PS349-833	6FX8002-5DG32	7000-PS349-833	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG42	7000-PS350-894	6FX8002-5DG42	7000-PS350-895	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG52	7000-PS351-896	6FX8002-5DG52	7000-PS351-897	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DG62	7000-PS352-898	6FX8002-5DG62	7000-PS352-899	M40 preassembled cordset with open ends, shielding braid, quick coupling
6FX5002-5DA01	7000-PS201-861	6FX8002-5DA01	7000-PS201-821	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DG01	7000-PS202-861	6FX8002-5DG01	7000-PS202-821	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DA11	7000-PS201-863	6FX8002-5DA11	7000-PS201-833	M23 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5DS64	7000-PS303-898	6FX8002-5DS64	7000-PS303-899	M40 preassembled cordset with open ends, shielding braid, full thread
6FX5002-5CG10	7000-PS302-865	6FX8002-5CG10	7000-PS302-854	M23 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG12	7000-PS302-869	6FX8002-5CG12	7000-PS302-857	M23 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG22	7000-PS301-865	6FX8002-5CG22	7000-PS301-854	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG32	7000-PS301-869	6FX8002-5CG32	7000-PS301-857	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG42	7000-PS301-890	6FX8002-5CG42	7000-PS301-891	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG52	7000-PS301-892	6FX8002-5CG52	7000-PS301-893	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CG62	7000-PS301-888	6FX8002-5CG62	7000-PS301-889	M40 preassembled cordset with open ends, without shielding braid, quick coupling
6FX5002-5CA01	7000-PS505-865	6FX8002-5CA01	7000-PS505-854	M23 preassembled cordset with open ends, without shielding braid, full thread
6FX5002-5CA11	7000-PS505-869	6FX8002-5CA11	7000-PS505-857	M23 preassembled cordset with open ends, without shielding braid, full thread
6FX5002-5CG01	7000-PS206-865	6FX8002-5CG01	7000-PS206-854	M23 preassembled cordset with open ends, without shielding braid, full thread

ORDER DATA FOR EXTENSIONS



Cables are configured according to
SIEMENS STANDARD

DESCRIPTION

M23 / M40 preassembled extension without shielding braid, quick coupling.

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: **M6FX8002-2DC10**

**PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONS**

**PUR-MC800+ FOR
MOTION APPLICATIONS**

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	
6FX5002-5DN05	7000-PS102-861	6FX8002-5DN05	7000-PS102-821	M23 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ28	7000-PS126-861	6FX8002-5DQ28	7000-PS126-821	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ38	7000-PS126-863	6FX8002-5DQ38	7000-PS126-833	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ48	7000-PS126-894	6FX8002-5DQ48	7000-PS126-895	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ58	7000-PS126-896	6FX8002-5DQ58	7000-PS126-897	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DQ68	7000-PS126-898	6FX8002-5DQ68	7000-PS126-899	M40 preassembled extension with shielding braid, quick coupling
6FX5002-5DA05	7000-PS101-861	6FX8002-5DA05	7000-PS101-821	M23 preassembled extension with shielding braid, full thread
6FX5002-5DA15	7000-PS101-863	6FX8002-5DA15	7000-PS101-833	M23 preassembled extension with shielding braid, full thread
6FX5002-5DA38	7000-PS111-863	6FX8002-5DA38	7000-PS111-833	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA48	7000-PS111-894	6FX8002-5DA48	7000-PS111-895	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA58	7000-PS111-896	6FX8002-5DA58	7000-PS111-897	M40 preassembled extension with shielding braid, full thread
6FX5002-5DA68	7000-PS111-898	6FX8002-5DA68	7000-PS111-899	M40 preassembled extension with shielding braid, full thread
6FX5002-5CA05	7000-PS105-865	6FX8002-5CA05	7000-PS105-854	M23 preassembled extension without shielding braid, full thread
6FX5002-5CA15	7000-PS105-869	6FX8002-5CA15	7000-PS105-857	M23 preassembled extension without shielding braid, full thread
6FX5002-5CA28	7000-PS115-865	6FX8002-5CA28	7000-PS115-854	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA38	7000-PS115-869	6FX8002-5CA38	7000-PS115-857	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA48	7000-PS115-890	6FX8002-5CA48	7000-PS115-891	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA58	7000-PS115-892	6FX8002-5CA58	7000-PS115-893	M40 preassembled extension without shielding braid, full thread
6FX5002-5CA68	7000-PS115-888	6FX8002-5CA68	7000-PS115-889	M40 preassembled extension without shielding braid, full thread

ORDER DATA FOR SIGNAL CONNECTORS



Cables are configured according to
SIEMENS STANDARD

DESCRIPTION

Signal cables for SIEMENS SINAMICS S120 – Drive Cliq

TRANSPARENT ARTICLE NUMBERS

The **SIEMENS DESIGNATIONS** are used in the Murrelektronik designations so that conversion between these designations is uncomplicated.

For example:

Siemens designation: 6FX8002-2DC10



Murrelektronik article number: **M6FX8002-2DC10**

PVC-MC500 CABLES FOR PERMANENTLY INSTALLED APPLICATIONS

PUR-MC800+ FOR MOTION APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-2EQ10	7000-SS161-871	6FX8002-2EQ10	7000-SS161-811	Preassembled cordset for ENDAT absolute encoder
6FX5002-2EQ14	7000-SS165-871	6FX8002-2EQ14	7000-SS165-811	Extension for ENDAT absolute encoder
6FX5002-2AD00	7000-SS172-885	6FX8002-2AD00	7000-SS172-882	Preassembled cordset for ENDAT absolute encoder to 611D/MCU
6FX5002-2CH00	7000-SS211-885	6FX8002-2CH00	7000-SS211-882	Preassembled cordset for ENDAT absolute encoder
6FX8002-2AD04	7000-SS171-885	6FX8002-2AD04	7000-SS171-882	Extension for SSI and ENDAT absolute encoder
6FX5002-2CA31	7000-SS261-871	6FX8002-2CA31	7000-SS261-811	Preassembled cordset for incremental encoder
6FX5002-2CA34	7000-SS265-871	6FX8002-2CA34	7000-SS265-811	Extension for incremental encoder
6FX5002-2DC20	7000-SS061-881	6FX8002-2DC20	7000-SS061-880	DRIVE CLIQ with RJ45 IP67 24 V connector
–	–	6FX2002-1DC00	7000-SS021-884	DRIVE CLIQ extension IP20/IP20 without 24 V
–	–	6FX2002-1DC20	7000-SS031-884	DRIVE CLIQ extension IP67/IP67 without 24 V

ORDER DATA FOR ALTERNATIVE CONNECTORS



Cables are configured according to
SIEMENS STANDARD



DESCRIPTION

Signal cables for SIEMENS SINAMICS S120 – Drive Cliq.

DID YOU KNOW...?

Murrelektronik M12 connectors are a proven alternative for connecting Drive Cliq cables in the field within rough industrial environments. Using this innovative solution comes with the following advantages for our customers:

- ➔ No additional coupling required
- ➔ Small and simple
- ➔ Cost-effective
- ➔ Modular universal mount

PVC-MC500 CABLES FOR
PERMANENTLY INSTALLED APPLICATIONSPUR-MC800+ FOR
MOBILE APPLICATIONS

DESCRIPTION

Siemens designation	Murrelektronik	Siemens designation	Murrelektronik	DESCRIPTION
6FX5002-2DC30	7000-SS071-881	6FX8002-2DC30	7000-SS071-880	Drive Cliq IP20, preassembled cordset – M12 female, 8-pole
6FX5002-2DC34	7000-SS081-881	6FX8002-2DC34	7000-SS081-880	IP67 8-pole M12 male extension – IP67 8-pole M12 female
–	7000-SS075-881	–	7000-SS075-880	Drive Cliq IP20 – M12 flange – 8-pole female
–	7000-SS085-881	–	7000-SS085-880	8-pole M12 male – M12 flange – 8-pole female
–	7000-SS091-881	–	7000-SS091-880	8-pole M12 male – Drive Cliq IP67
–	7000-SS601-881	–	7000-SS601-880	Drive Cliq IP20 – 0° Y-coded M12 female
–	7000-SS605-881	–	7000-SS605-880	Drive Cliq IP20 – M12 flange – Y-coded female
–	7000-SS611-881	–	7000-SS611-880	0° Y-coded M12 male – 0° Y-coded M12 female
–	7000-SS615-881	–	7000-SS615-880	0° Y-coded M12 male – M12 flange – Y-coded female
–	7000-SS621-881	–	7000-SS621-880	0° Y-coded M12 male – Drive Cliq IP67

MURRELEKTRONIK

ALWAYS AT YOUR SERVICE



A PERSONAL CONTACT

Your personal inside sales representative is here for you. They are familiar with the challenges you are facing and will ensure that you have all the information you need.



TECHNICAL EXPERTISE IS JUST A CALL AWAY!

If you need technical support during installation, commissioning or maintenance of a Murrelektronik product, a technical sales person is just a call away. Our specialists know our products inside out. They will help you to solve any issues and challenges in no time – the important thing is that you have a running system.



ON SITE FOR YOU

Our sales representatives can visit you regularly. They will analyze your application and processes with you in order to determine your requirements and use these as a basis to find the best solutions for the challenges you are facing. The goal is to make your installed system as cost-efficient as possible: Be it through the most simple measures or sophisticated system solutions.



SYSTEM CONSULTING

Whether you are installing a new machine, implementing an entirely new installation concept or want to talk shop about the latest developments in fieldbus technology: Our system consultants are at your disposal. This complementary service is a great way to develop an advanced solution that fits your needs like a glove.



WORLDWIDE AND INDUSTRY-WIDE



STAY CONNECTED

At Murrelektronik, we create lasting connections that extend beyond the technical to the personal. We strive to celebrate both large and small wins with our customers. Your successes are our successes.

Warehousing & Logistics



MURRELEKTRONIK IS YOUR PARTNER

We provide everything you need for comprehensive system installations. Use our knowledge and our experience across industries to your advantage.

Food & Beverage



Machine Tool Manufacturing



Paper Industry



Automotive Industry



Airports



Offshore





➔ www.murrelektronik.com

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Our company embraces social responsibility in all aspects of our business activities. Our brochures are printed using environmentally friendly production techniques and products.

