

### MQ15-X-Power female 0° with cable

PUR 4x1,5 bk UL/CSA+drag chain 2m

Art.No.: 7000-P8221-P020200

Weight: 0.276

Country of origin: DE

Model designation: MSWBQ3L0-P02\_2.0

### Advantages of our MQ15 connectors:

Our MQ15 connectors are ideal for supplying power to your drives and are specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability. The contacts are silver-plated, which ensures very good conductivity. Thanks to their high degree of protection, they are ideal for demanding industrial environments. They are also vibration-resistant, which is ensured by the vibration-proof bayonet lock. Our connectors are resistant to oils and cooling lubricants. However, resistance to aggressive media should be tested for the specific application. Different cable lengths are available [on request](#). Are you missing technical information? Feel free to use our [dictionary](#) and other technical details. Product details:

Female straight

MQ15, 4-pole

without cable sleeves

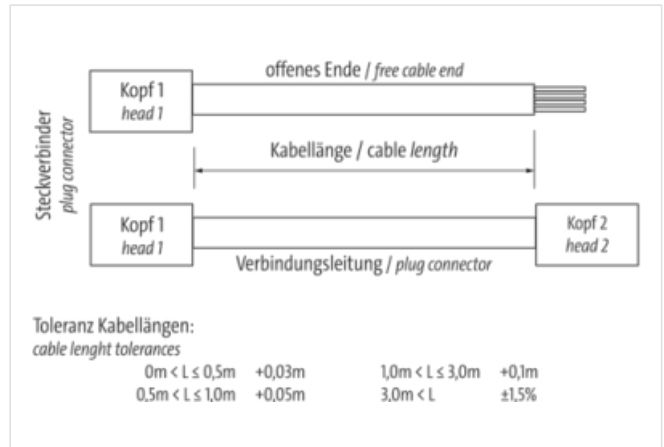
Plastic housings with good resistance against chemicals and oils.

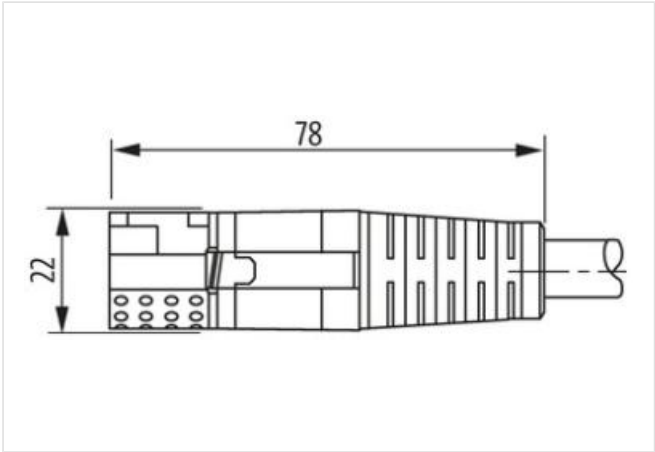
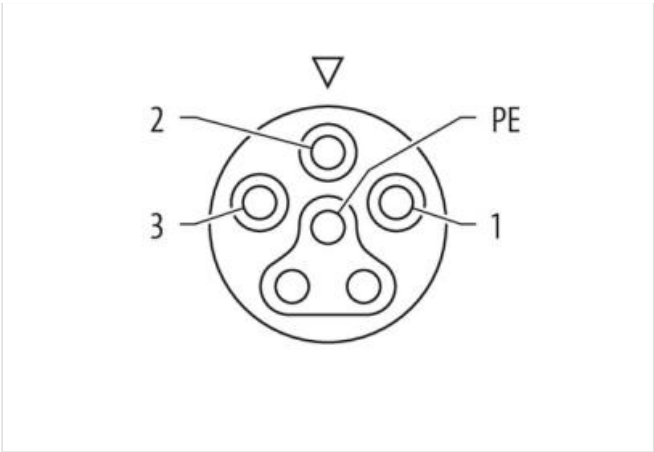
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

### Link to Product

#### Illustration





Product may differ from Image

Cable length	2 m
Side 1	
Mounting method	inserted, screwed
Coating contact	silver-plated
Family construction form	MQ15
Material contact	Copper alloy
No. of poles	4
Side 2	
Stripping length (jacket)	30 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879625852

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Packaging unit	1
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	600 V
Current operating per contact max.	13 A
<b>Diagnostics</b>	
Status indication LED	no
<b>Installation   Connection</b>	
Stripping length (jacket)	30 mm
Mating cycles min.	500
<b>Installation   Pin assignment</b>	
Configuration	fully used
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	4 kV
Material group (IEC 60664-1)	I
<b>Mechanical data   Material data</b>	
Material housing	Plastic
Combustibility class housing (UL94)	HB
Material contact carrier	PA
<b>Mechanical data   Mounting data</b>	
Looking techniques	bayonet-locking
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
<b>Installation   Cable</b>	
wire arrangement	black 1, black 2, black 3, green-yellow
Cable identification	P02
Jacket Color	black
wire arrangement	black 1, black 2, black 3, green-yellow
Material jacket	PUR
Freedom from ingredients (jacket)	halogen-free, LABS-free
Outer-diameter (jacket)	7,4 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	TPE
Amount wires	4
Ingredient freeness wire insulation	halogen-free, LABS-free
Conductor crossection (wire)	1,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	1000 V
Electrical resistance line constant wire	8 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	4 kV

Power frequency withstand voltage (wire - jacket)	4 kV
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	4 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio.
Torsion stress	± 15 °/m

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