

MQ15 female 0° with cable 600V AC type 3

PUR 6x2.5 bk UL/CSA+drag ch. 10m

Art.No.: 7000-P8121-P631000

Weight: 2.325

Country of origin: DE

Model designation: MSWBQ3L0-6p6P63_10.0

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

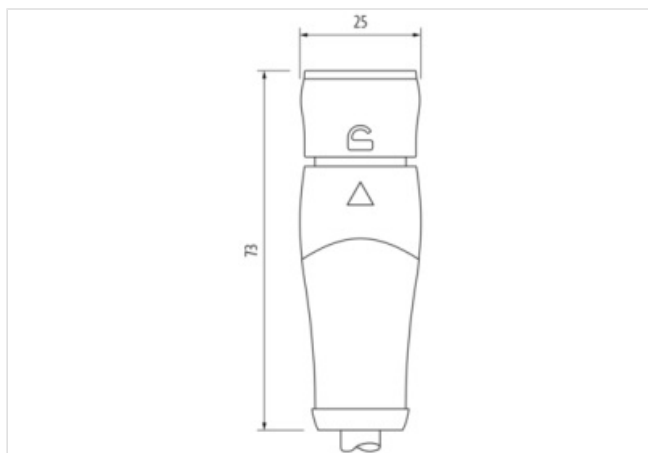
MQ15, 6-pole

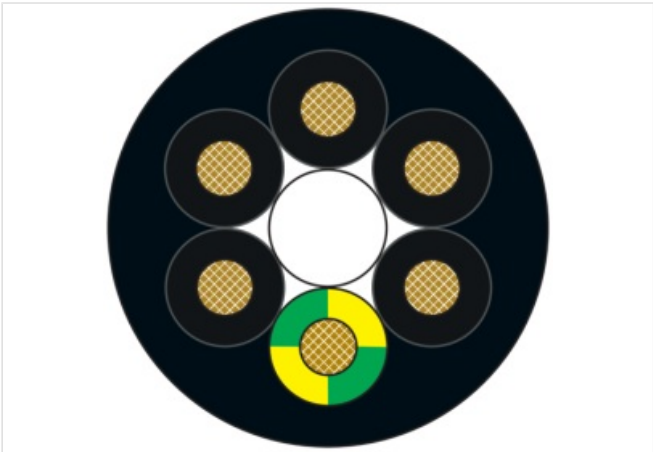
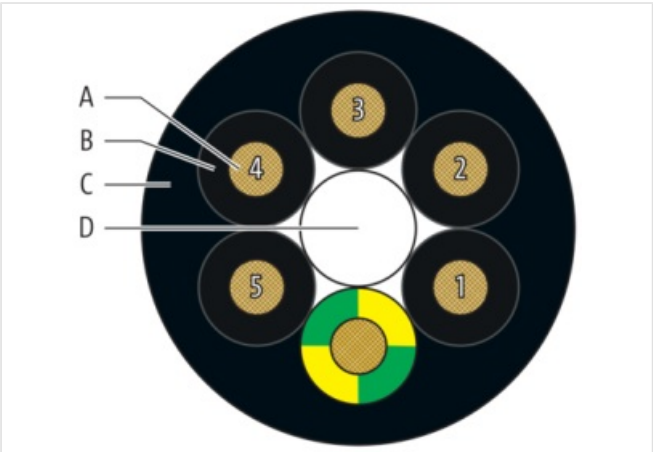
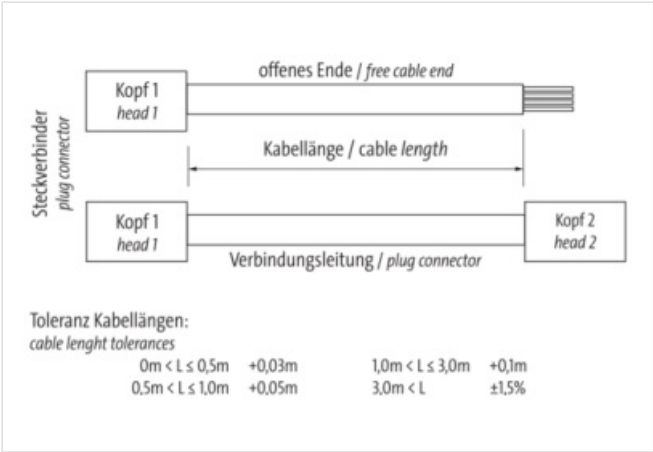
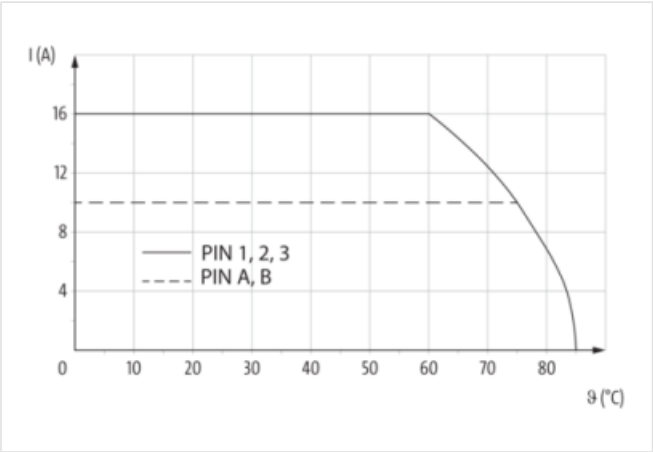
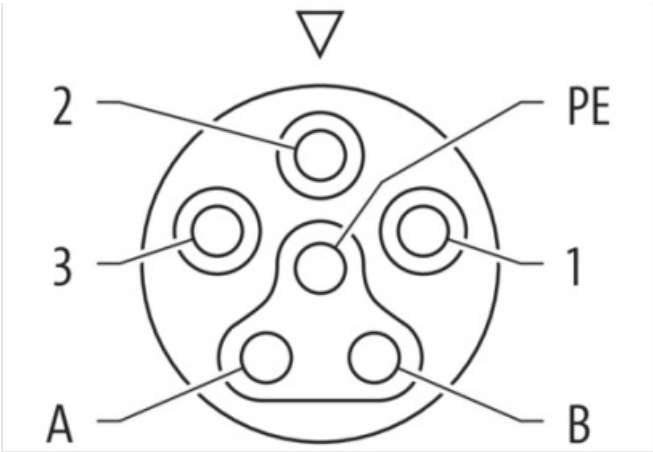
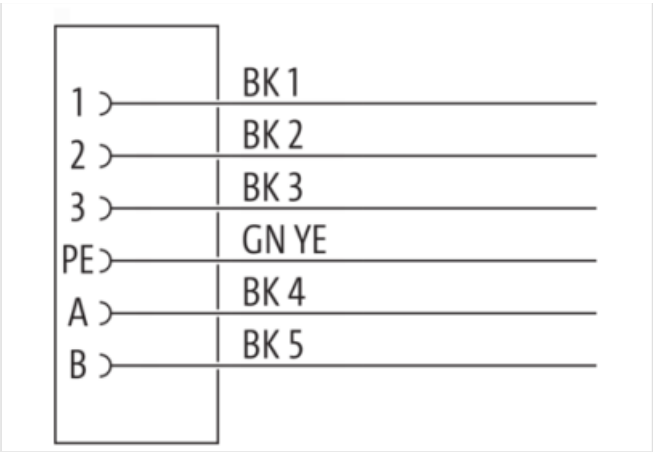
with cable sleeves

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



Header	
Material short text	MSWBQ3L0-6p6P63_10.0
Cable length	10,00 m
Side 1	

Family construction form	MQ15
No. of poles	6
Coding	Type 3
Gender	female
Mounting method	locked, inserted
Cable outlet	straight
suitable for corrugated tube (internal Ø)	18 mm
Material contact	Copper alloy
Coating contact	silver-plated
Degree of protection (EN IEC 60529)	IP67, IP65

Side 2

Family construction form	free cable end
Stripping length (jacket)	100 mm

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-P8121-P631000
GTIN	4048879908191
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060327
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879908191
Packaging unit	1

Electrical data | Supply

Operating voltage AC per power contact max.	600 V
Operating current per power contact max.	16 A
Operating voltage AC per signal contact max.	63 V
Operating voltage DC per signal contact max.	63 V
Operating current per signal contact max.	10 A

Diagnostics

Status indication LED	no
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Installation | Pin assignment

Coding	Type 3
Configuration	fully used

Device protection | Electrical

Additional condition protection degree	locked, inserted
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Pollution Degree	3
Rated surge voltage power contacts	6 kV
Rated surge voltage signal contacts	1.5 kV
Material group (IEC 60664-1)	I

Mechanical data | Material data

Material housing	PUR
Material contact carrier	PA
Locking material	POM

Mechanical data | Mounting data

Looking techniques	bayonet-locking
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Conformity

Product standard	IEC 61076-2-116
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Installation | Cable

Cable identification	P63
Cable Type	3
Function cable	Power
Amount stranding	1
Stranding	6 wires around core filler twisted
Filler	yes
Wire arrangement	black 5, black 4, black 3, black 2, black 1, green-yellow
Cable weight	227.7 g/m
Material wire insulation	PP
Amount wires	6
Outer diameter insulation	2.85 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	60 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire)	140
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	2.5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	10.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	7.98 Ω/km @ 20 °C
Nominal voltage AC max.	1,000 V
Withstand voltage (wire - wire)	10 kV
Withstand voltage (wire - jacket)	10 kV
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	19.5 A

Min. operating temperature (static)	-50 °C
Max. operating temperature (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s ² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °C
Torsion speed	35 cycles/min