

MQ15 male 0° / MQ15 female 0° 600V AC type 3

PVC 4x2.5 bk UL/CSA 3m

Art.No.: 7000-P8241-P720300

Weight: 0.582 kg

Country of origin: DE

Model designation: MSWBQ3L0-WAQ3-6p7P72_3.0

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: Male straight – female straight

MQ15, 4-pole

with cable sleeves

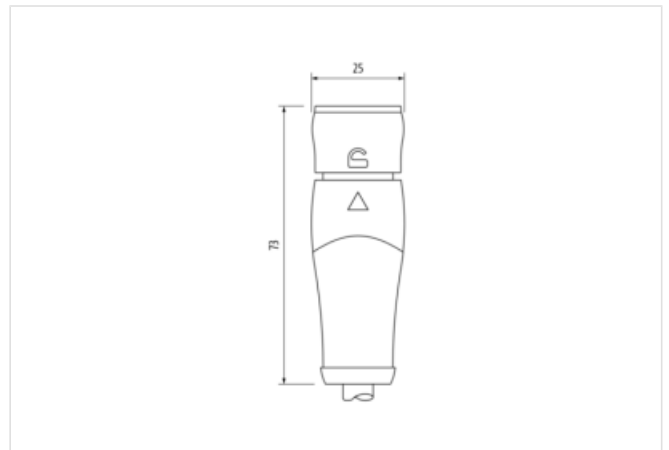
Plastic housings with good resistance against chemicals and oils.

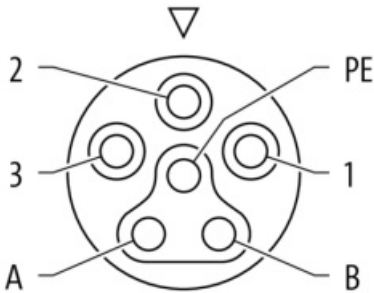
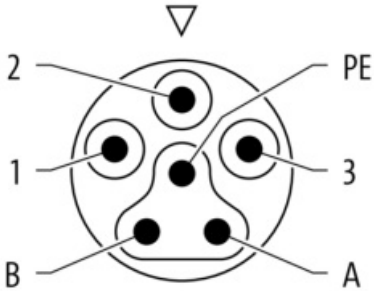
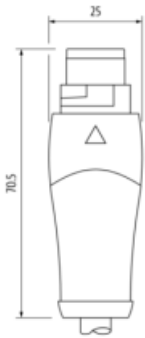
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

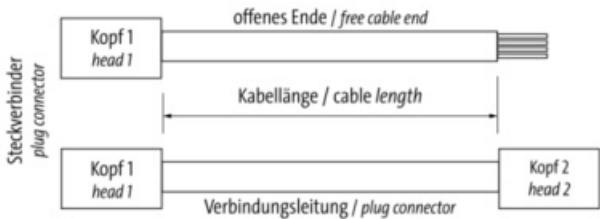
[Link to Product](#)

Illustration



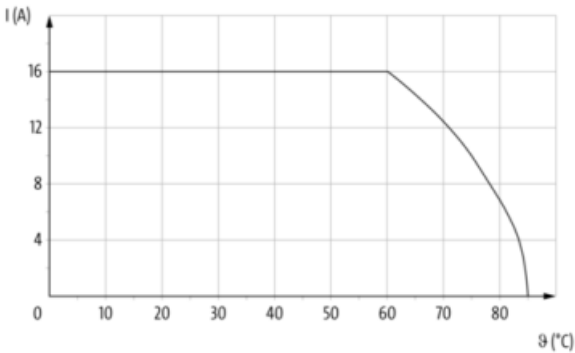


1	BK 1	C 1
2	BK 2	C 2
3	BK 3	C 3
PE	GN YE	C PE
A		C A
B		C B



Toleranz Kabellängen:
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%





Product may differ from Image



Cable length	3,00 m
Side 1	
Family construction form	MQ15
No. of poles	4
Coding	Type 3
Gender	male
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	MQ15
No. of poles	4
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
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-P8241-P720300
GTIN	4048879906593
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
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	4048879906593
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	600 V
Current operating per contact max.	16 A

Diagnostics

Status indication LED	No
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Installation | Pin assignment

Coding	Type 3
Configuration	partly used

Device protection | Electrical

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

Mechanical data | Material data

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.	-30 °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	EN/IEC 61076-2-116
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Installation | Cable

Material wire insulation	PP
Amount wires	4
Outer diameter insulation	2.85 mm ± 0.1 mm

Conductor crosssection (wire)	2,5 mm ²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	135 × 0.15 mm
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Stranding	1 × 4 wires stranded
Wire arrangement	BK 3, BK 2, BK 1, GNYE
Material jacket	PVC
Outer-diameter (jacket)	8.8 mm ± 5 %
Jacket Color	black / RAL 9005
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material property (jacket)	low adhesion, good machinability, matte
Conductor resistance (wire)	7.98 Ω/km @ 20 °C
Nominal voltage max.	1.000 V
Withstand voltage (wire - wire)	10 kV @ 60 s
Withstand voltage (wire - jacket)	10 kV @ 60 s
Current load capacity max. (wire)	20,8 A
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature (static)	-40 °C ... 80 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Notes	application-related testing
Bending radius (fixed)	5 × Outer diameter