

**MQ15 female 0° with cable 600V AC type 3**

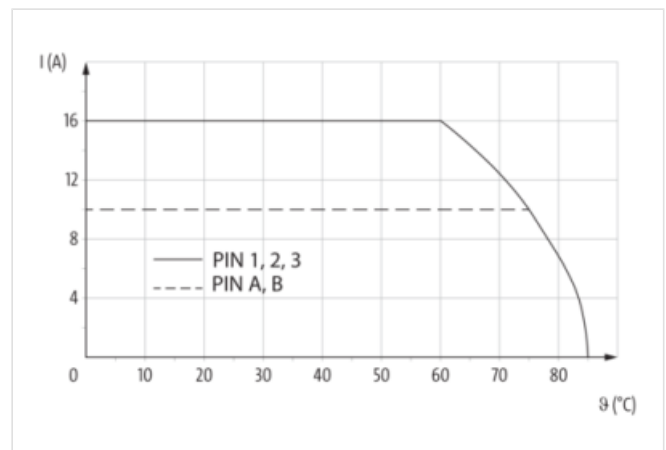
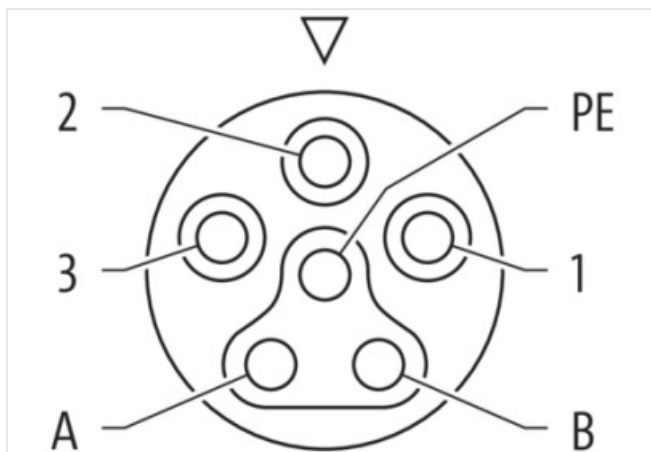
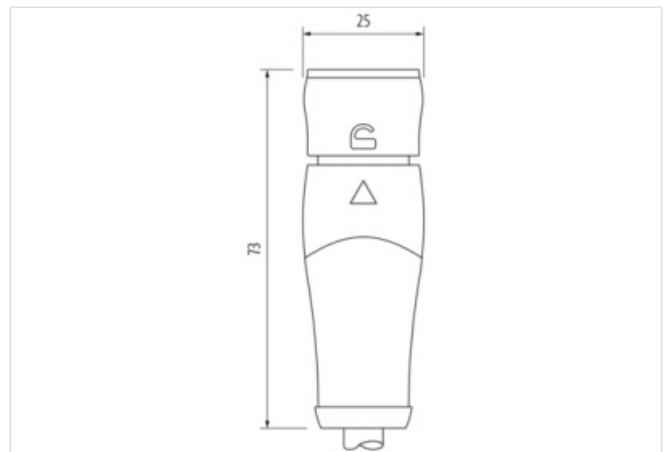
PUR 6x2.5 bk UL/CSA+drag ch. 2m

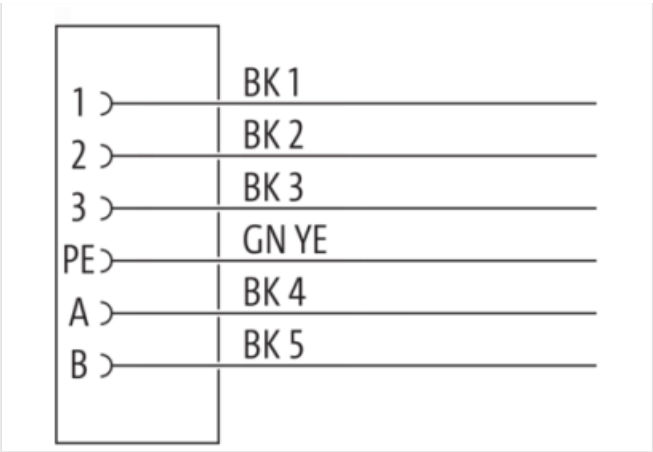
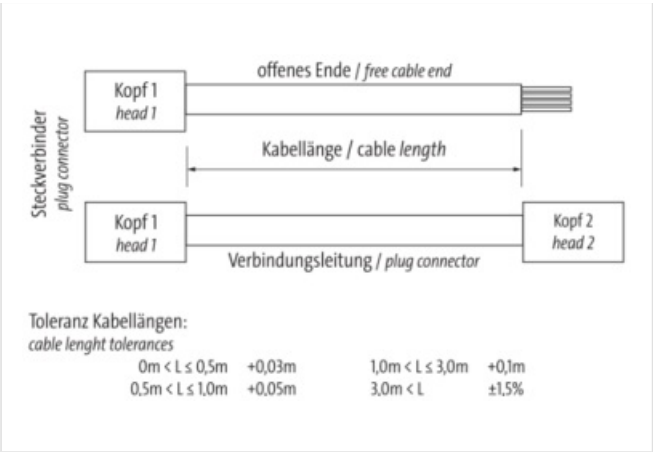
Art.No.: 7000-P8121-P630200

Weight: 0.503

Country of origin: DE

Model designation: MSWBQ3L0-6p6P63\_2.0

**[Link to Product](#)****Illustration**



Product may differ from Image



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	<a href="https://shop.murrelektronik.com/7000-P8121-P630200">https://shop.murrelektronik.com/7000-P8121-P630200</a>
GTIN	4048879908160
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
EAN	4048879908160

**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
-----------------------	----

**Installation | Pin assignment**

Coding	Type 3
Configuration	fully used

**Device protection | Electrical**

Additional condition protection degree	locked, inserted
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
--------------------	-----------------

**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	<b>Attention:</b> 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
------------------	-----------------

**Installation | Cable**

Cable identification	P63
Cable Type	3
Stranding	Wires
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
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 <sup>2</sup>
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
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Electrical resistance line constant wire	7.98 Ω/km @ 20 °C
Nominal voltage AC max.	1,000 V
AC withstand voltage (wire - wire)	10 kV
Power frequency 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 (fixed)	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 <sup>2</sup> @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min