

M12 Power male 0° / female 0° L-cod.

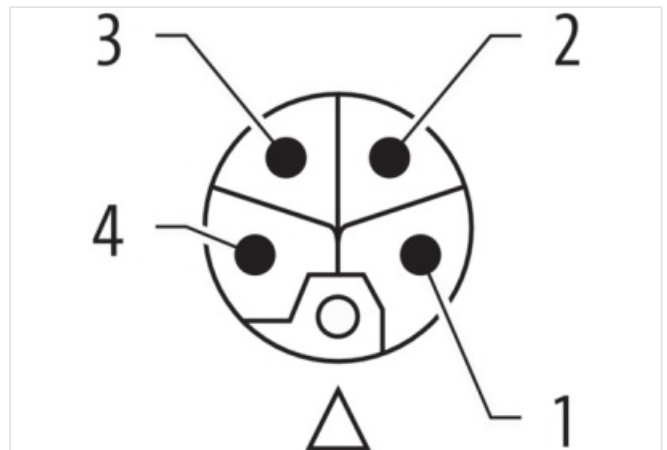
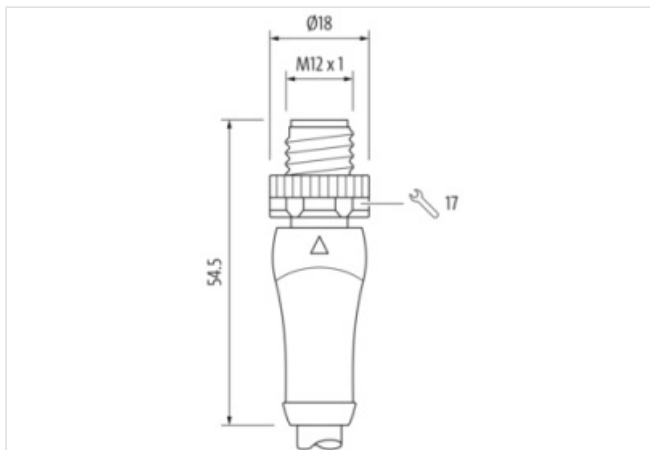
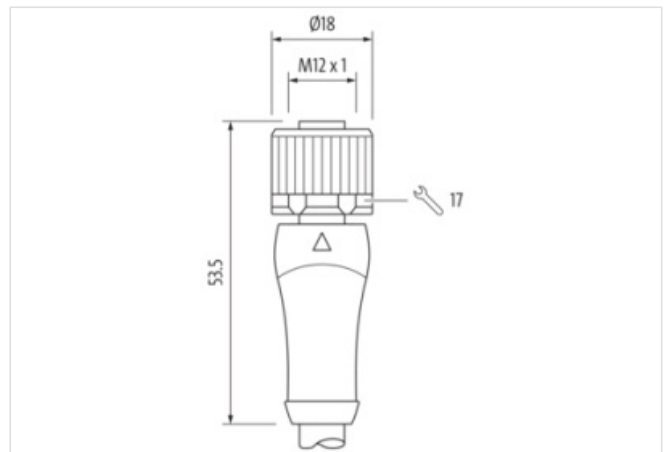
PUR 4x1.5 bk UL/CSA+drag ch. 0.5m

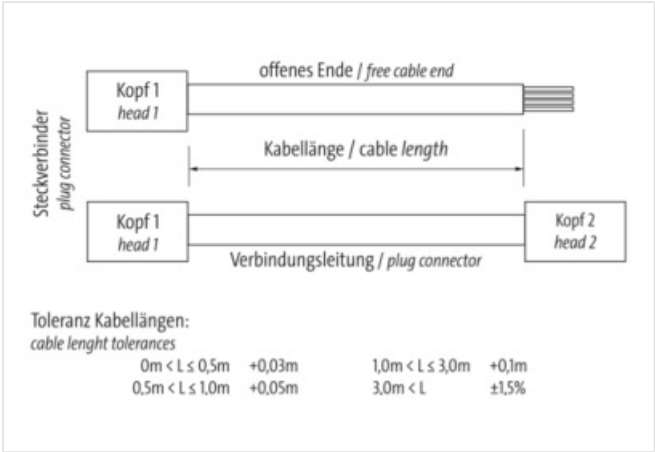
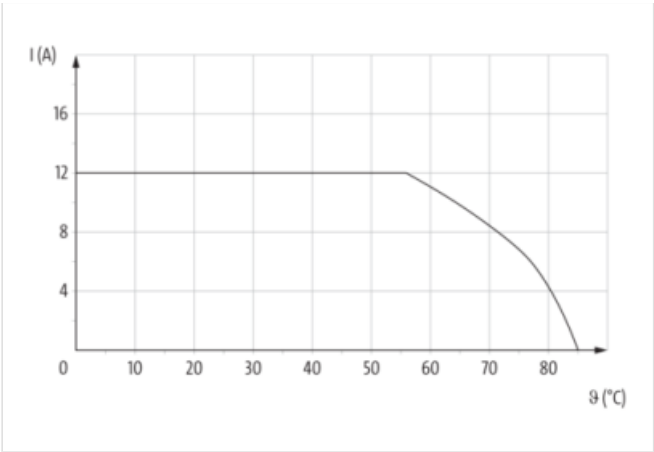
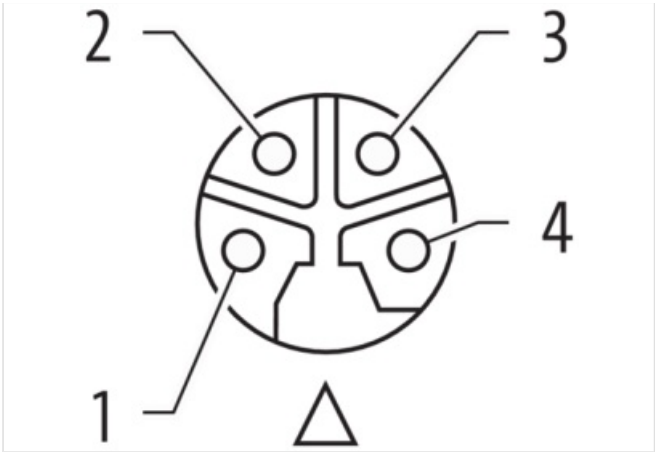
Art.No.: 7000-P4141-P070050

Weight: 0.096

Country of origin: DE

Model designation: MSWBLL0-WAL-TP07_0.5

Link to Product**Illustration**



Product may differ from Image



Side 1	
Family construction form	M12P
No. of poles	4
Coding	L
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW17
Cable outlet	straight
suitable for corrugated tube (internal Ø)	12 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP65
Side 2	
Family construction form	M12P
No. of poles	4

Coding	L
Gender	female
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW17
Cable outlet	straight
suitable for corrugated tube (internal Ø)	12 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP65

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-P4141-P070050
GTIN	4048879877244
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	4048879877244

Electrical data | Supply

Operating voltage DC max.	63 V
Current operating per contact max.	12 A

Diagnostics

Status indication LED	no
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Installation | Connection

Width across flats	SW17
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67, IP65
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1.5 kV
Material group (IEC 60664-1)	I

Mechanical data | Material data

Material housing	PUR
Material screw connection	Brass
Coating of fitting	nickel plated

Material gasket FKM

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

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 IEC 61076-2-111

Installation | Cable

Cable identification P07

Cable Type 3

Function cable Power

Amount stranding 1

Stranding Wires

Wire arrangement black 4, blue 3, white 2, brown 1

Cable weight 114.4 g/m

Material wire insulation PP

Amount wires 4

Outer diameter insulation 2.3 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

Printing color of wire insulation white (isolation blue), white (isolation brown), white (isolation black), black (white isolation)

Amount strands (wire) 84

Diameter of single wires 0.15 mm

Conductor crosssection (wire) 1.5 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

Outer-diameter (jacket) 7.2 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 13.3 Ω /km @ 20 °C

Nominal voltage AC max. 1,000 V

AC withstand voltage (wire - wire) 10 kV @ 60 s

Power frequency withstand voltage (wire - jacket) 10 kV @ 60 s

Current load capacity (standard) to DIN VDE 0298-4

Current load capacity min. wire 14.4 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 ² @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min