

M12 Power male 0° / female 0° L-cod.

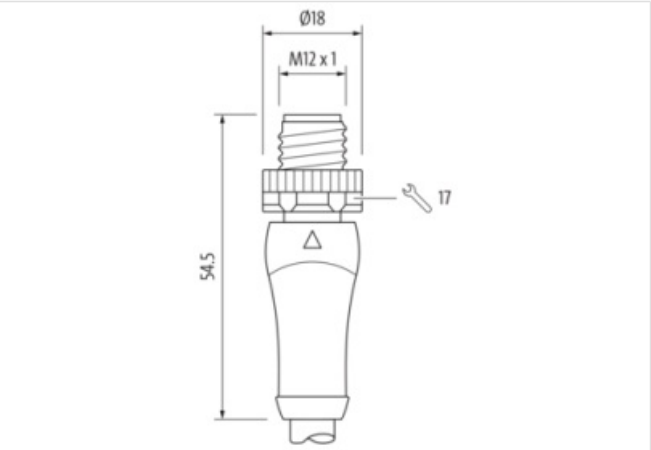
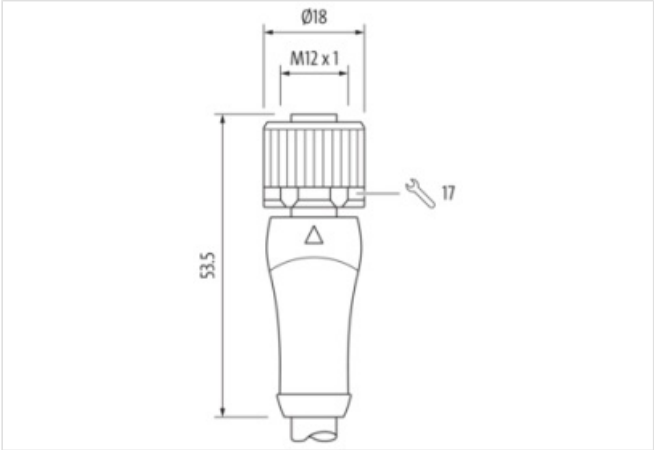
PUR 5x1.5 bk UL/CSA+drag ch. 5m

Art.No.: 7000-P4241-P040500
Weight: 0.709
Country of origin: DE
Model designation: MSWBLL0-WAL-UP04_5.0

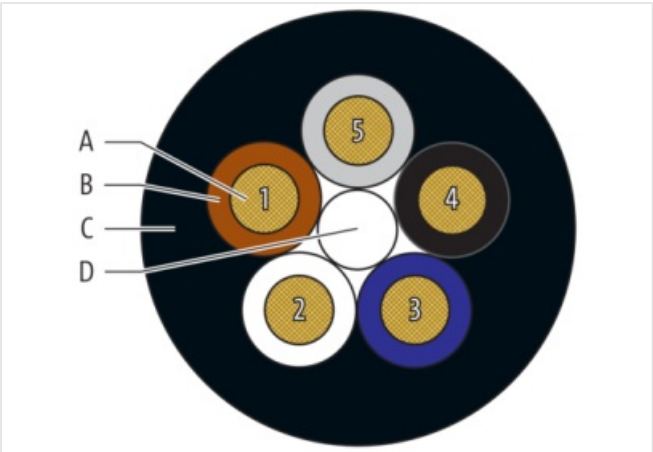
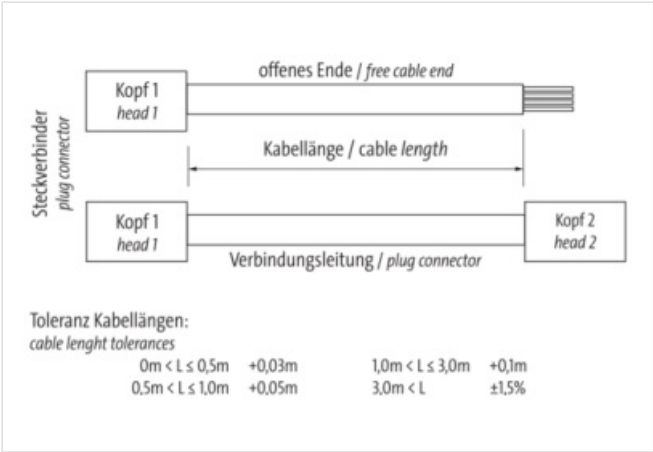
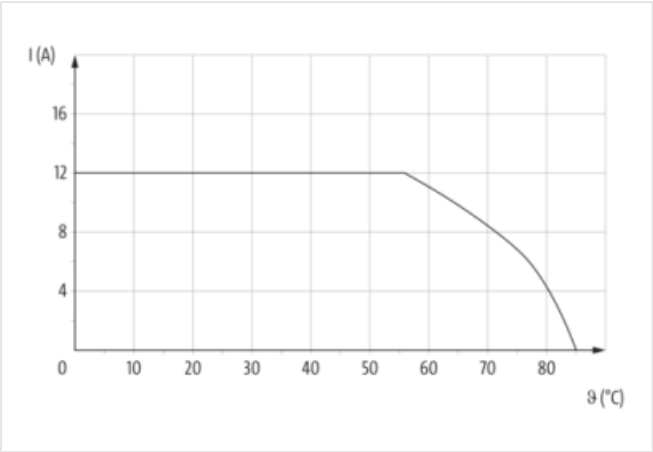
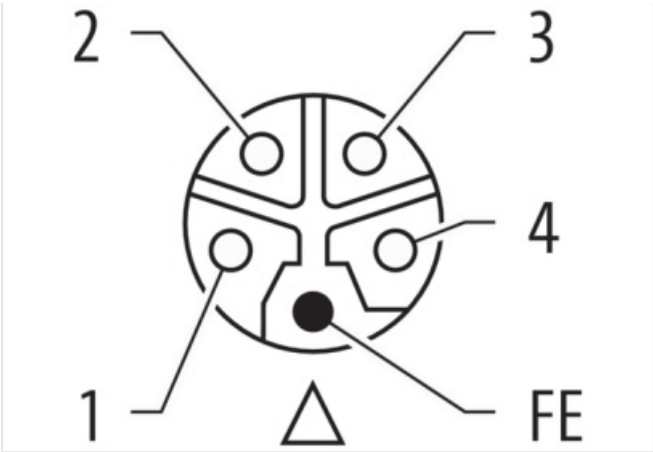
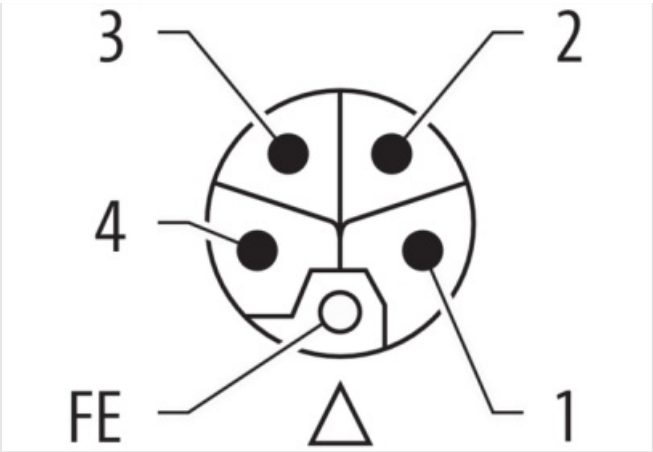
Power
M12 – M12, 5-pole
Male straight – female straight
L-coded
with cable sleeves
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

Link to Product

Illustration



1	BN 1	1
2	WH 2	2
3	BU 3	3
4	BK 4	4
FE	GY 5	FE



Product may differ from Image



Header	
Material short text	MSWBLL0-WAL-UP04_5.0
Cable length	5,00 m
Side 1	

Family construction form	M12P
No. of poles	5
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)	IP65, IP66K, IP67, IP69K

Side 2

Family construction form	M12P
No. of poles	5
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)	IP65, IP66K, IP67, IP69K

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-P4241-P040500
GTIN	4048879649582
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	4048879649582

Packaging unit 1

Electrical data | Supply

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

Installation | Connection

Width across flats SW17
Mating cycles min. 100

Device protection | Electrical

Degree of protection (EN IEC 60529) IP65, IP66K, IP67, IP69K
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 EN IEC 61076-2-111

Installation | Cable

Cable identification P04
Cable Type 3
Function cable Power
Amount stranding 1
Stranding 5 wires around core filler twisted
Filler yes
Cable weight 118 g/m
Material wire insulation PP
Amount wires 5
Outer diameter insulation 2.3 mm
Outer diameter tolerance core insulation ± 0.1 mm
Shore hardness wire insulation 60 ± 5 Shore D
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation white (isolation blue), white (isolation brown), white (isolation black), black (white isolation), white (gray isolation)
Amount strands (wire) 84
Diameter of single wires 0.15 mm
Conductor crosssection (wire) 1.5 mm^2
Material conductor wire Stranded copper wire, bare
Conductor type (wire) strand class 6
Outer-diameter (jacket) 8.2 mm

Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	13.3 Ω/km @ 20 °C
Nominal voltage AC max.	1,000 V
Withstand voltage (wire - wire)	10 kV @ 60 s
Withstand voltage (wire - jacket)	10 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	13.5 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
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1080, CSA FT2, IEC 60332-1-2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	resistant to hydrolysis, resistant to microbes, good resistance to gasoline
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/s² @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	± 180 °/m @ 180 °C
Torsion speed	35 cycles/min