

M12 Power male 90° L-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 1.5m

Art.No.: 7000-P4211-P040150

Weight: 0.229 Country of origin: DE

Model designation: MSWCLL0-UP04_1.5

Advantages of our M12 power connectors:

Our M12 power connectors are ideal for supplying power to your industrial applications and are specially optimised for harsh environments.

The L-coded connectors are available in 4- and 5-pin versions and offer a current carrying capacity of 16A per pin at 63V DC. They are ideal for supplying power to decentralised devices such as I/O & fieldbus modules, power supply units, fuses, engines and motors. The Profinet User Organisation (PNO) has also described the L-coding as the future standard for the low-voltage supply of automation components, which ensures compatibility across different systems.

All Murrelektronik connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability. The contacts are gold-plated, which ensures excellent conductivity. Thanks to the high IP67 protection rating and the integrated protective conduit connection, they are ideal for demanding industrial environments. They are also vibration-resistant - this is guaranteed by the integrated vibration protection.

The M12 power connectors are designed in accordance with the IEC 61076-2-111 standard and UL-approved in accordance with 2237 (PVVA - E492831). Our connectors are resistant to oils and cooling lubricants. However, resistance to aggressive media should be tested for each specific application.

Different cable lengths are possible <u>on request</u>. Are you missing technical information? Feel free to use our technical <u>dictionary</u>, where you will find explanations of coding and other technical details.

Product details:

Power Male 90° M12, 5-pole L-coded

with cable sleeves

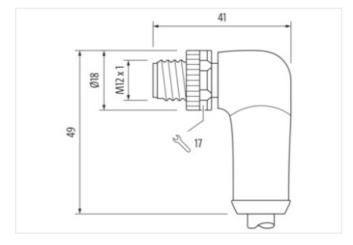
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

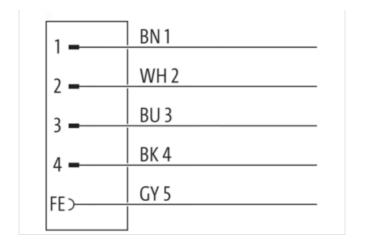
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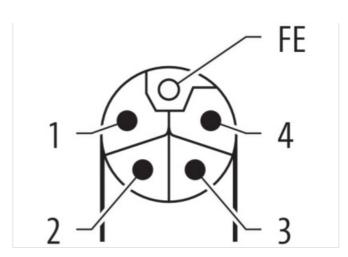


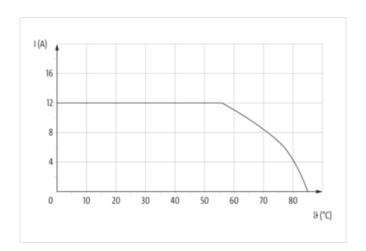


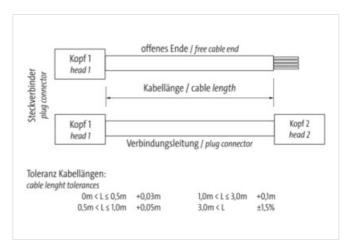


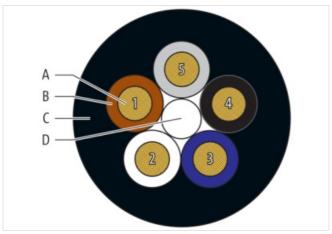
stay connected

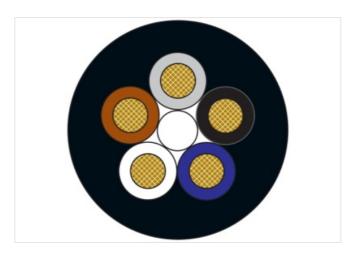












Product may differ from Image











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MSWCLL0-UP04_1.5 Material short text

Cable length 1,50 m

Side 1



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No. of poles 5	Family construction form	M12P
Content	No. of poles	5
Gender		L
Trystening torque		male
Trystening torque	Mounting method	inserted, screwed
Width across fiets SWI? Cable outlet angled subable for corruptated tube (internal o) 16.4 mm Material PUR Material contract Copper alloy Cealing contact gold plated Degree of protection (ENIEC 60529) P65. P67, P68K Family construction form Free cable and Stropping length (acker) Commercial date UPR. Webshap UPR. Webshap Intigs://windp.murrelektronik.com/7000-P4211-P040150 GTIN 40.68379/38281 ECLASS-6.0 22772218 ECLASS-7.1 27727218 ECLASS-7.0 22772218 ECLASS-7.1 27727218 ECLASS-8.0 2777218 ECLASS-9.1 27727218 ECLASS-9.1 27727218 ECLASS-9.0 2770218 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-9.1.0 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311		M12 x 1
Width across flats SW17 Cable outlot angled subtate for compared tube (internal 0) 16.4 mm Material PUR Material portated Opper alloy Cering portated ppd plated Degree of protection (EN IEC 60528) PPS, IP67, IP68K Side 2 ************************************	Tightening torque	0.6 Nm
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Additional condition protection degree inserted, screwed	Device protection Electrical	
	Degree of protection (EN IEC 60529)	IP67, IP65, IP69K
Pollution Degree 3	Additional condition protection degree	inserted, screwed
	Pollution Degree	3

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-11-16



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Material group (IEC 60664-1) Mechanical data Material data Material housing PUR Material screw connection Brass	
Material housing PUR	
Material screw connection Brass	
Coating of fitting nickel plated	
Mechanical data Mounting data	
Mounting method inserted, screwed, Shaking protection	
Environmental characteristics Climatic	
Operating temperature min30 °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 pendangered by excessive bending forces.	protection class can be
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	
24-	
Function cable Power Amount stranding 1	
Stranding 5 wires around core filler twisted	
Filler yes	
Cable weigth 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) $\pm 5\%$	
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	
Withstand voltage (wire - jacket) 10 kV @ 60 s	



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