

M12 Power male 90° L-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 7.5m

Art.No.: 7000-P4211-P040750

Weight: 1.008 Country of origin: DE

Model designation: MSWCLL0-UP04_7.5

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

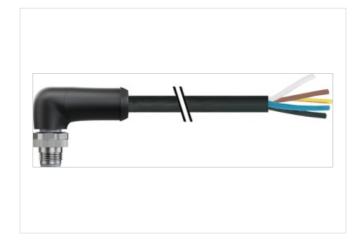
with cable sleeves

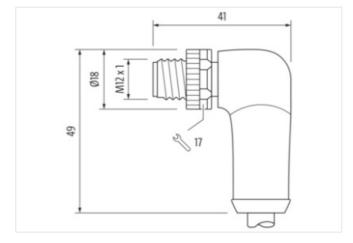
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

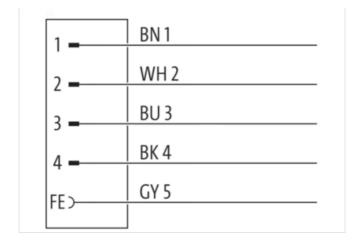
Illustration

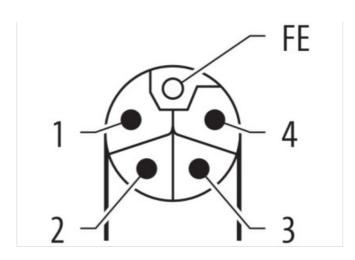


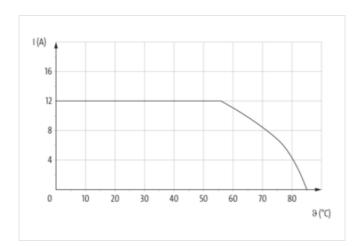


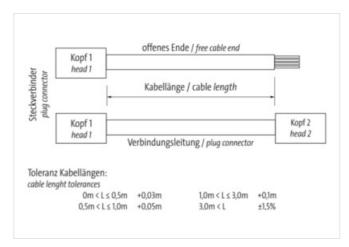


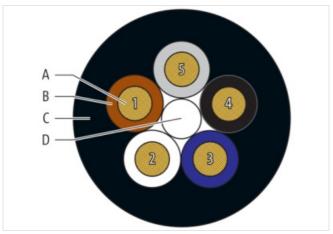
stay connected

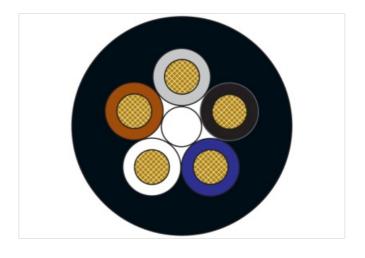












Product may differ from Image











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MSWCLL0-UP04_7.5 Material short text

Cable length 7,50 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 angled suitable for corrugated tube (internal Ø) 16.4 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP65, IP67, IP69K Side 2 Family construction form Free cable end Stripping length (jacket) 100 mm Commercial data **URL** Webshop https://shop.murrelektronik.com/7000-P4211-P040750 GTIN 4048879742450 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 4048879742450 EAN 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) IP67, IP65, IP69K 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: 2025-11-07



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Rated surge voltage	1.5 kV
Material group (IEC 60664-1)	I and the second se
Mechanical data Material data	
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 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
	LIVIES 010/0-2-111
Installation Cable	
Cable identification	P04
Cable Type	3
Function cable	Power
Amount stranding	1
Stranding	5 wires around core filler twisted
Filler	yes
Cable 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)	±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