

#### M12 female 0° A-cod. with cable

PUR 5x0.5 gy drag ch. 5m

Art.No.: 7999-12241-4370500

Weight: 0.262 Country of origin: CZ

Model designation: MSBL0-U437\_5.0

# Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

### **Product details:**

Female straight

M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

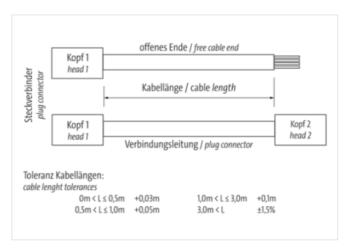
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

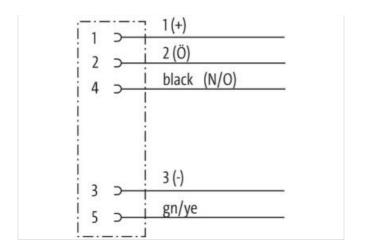
# Illustration

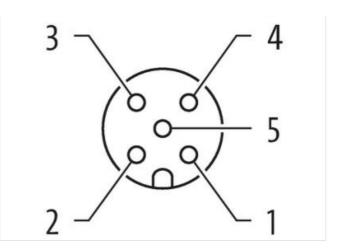


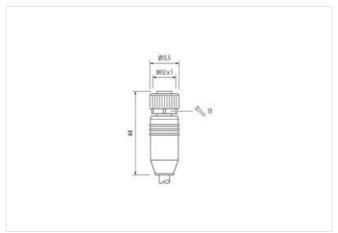




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Product may differ from Image











Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	5
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311

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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ETIME-5.0   \$100.000   ETIME-5.0   \$100.000   ETIME-5.0   \$10.000	ECLASS-12.0	27060311
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Coating locking material         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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.           Conformity         Important installation (Cable           Installation (Cable         Units (Since an arrangement)         Diack 4, black 3, black 2, black 1, green-yellow           Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding factor min.         75 mm           Stranding factor min.         75 mm           Banding         Fleece <td>Material group (IEC 60664-1)</td> <td>I The state of the</td>	Material group (IEC 60664-1)	I The state of the
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Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature may. Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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.  Conformity  Product standard DIN EN 61076-2-101 (M12) Installation   Cable wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable identification 437 Amount stranding 1 Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Stranding factor max. 75 mm  Banding Fleece Filler yes wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigh 57.2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) leaf-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6.2 mm  Tolerance outer diameter (sheath) ± 5 %	Locking material	Zinc die-casting
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Installation   Cable           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable identification         437           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         5 wires around Core filler twisted           Stranding factor min.         75 mm           Stranding factor max.         75 mm           Banding         Fleece           Filler         yes           wire arrangement         black 4, black 3, black 2, black 1, green-yellow           Cable weigth         57,2 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,2 mm           Tolerance outer diameter (sheath)         ± 5 %	Conformity	
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Stranding 5 wires around Core filler twisted  Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Jacket Color	gray
Stranding factor min. 75 mm  Stranding factor max. 75 mm  Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Amount stranding	
Stranding factor max. 75 mm  Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Stranding	5 wires around Core filler twisted
Banding Fleece  Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Stranding factor min.	75 mm
Filler yes  wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Stranding factor max.	75 mm
wire arrangement black 4, black 3, black 2, black 1, green-yellow  Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Banding	Fleece
Cable weigth 57,2 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Filler	yes
Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,2 mm Tolerance outer diameter (sheath) ± 5 %	wire arrangement	black 4, black 3, black 2, black 1, green-yellow
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Cable weigth	57,2 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Material jacket	PUR
Outer-diameter (jacket) 6,2 mm  Tolerance outer diameter (sheath) ± 5 %	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Outer diameter (inal(et)	6,2 mm
Material wire insulation PP		



Amount wires	5
Outer diameter insulation	1,7 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	90 ± 5 Shore A
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	28
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6,8 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	2 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C