

M12 male 0° A-cod. Push-Lock5-pol., 0,08 - 0,75mm², 4 - 8mm

Art.No.: 7000-13901-0000000

Weight: 0.022 kg

Country of origin: DE

Model designation: MSAL0-U-Push-Lock

Male straight

M12, 5-pole

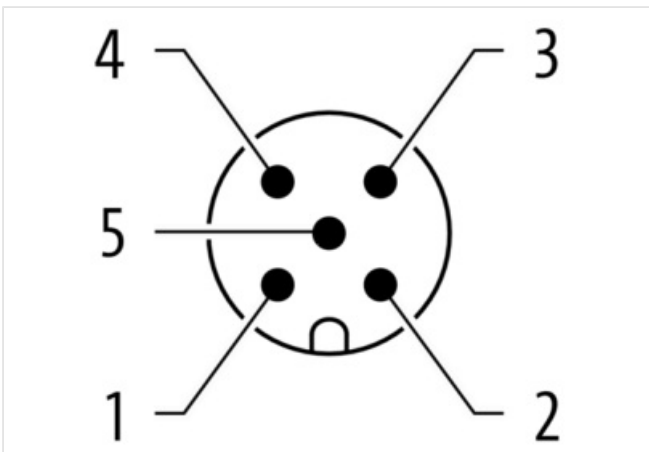
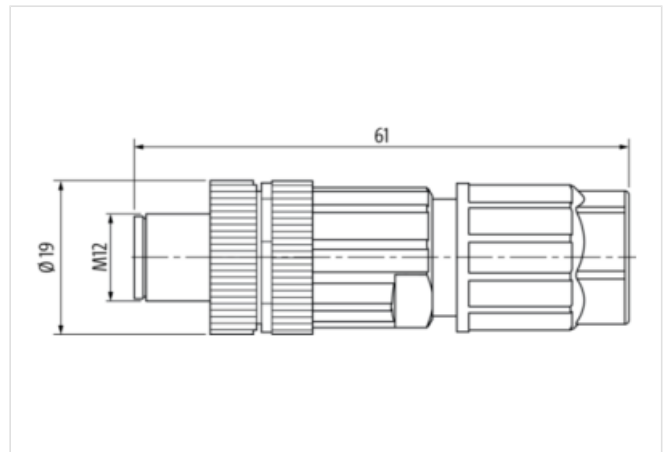
A-coded

Push-Lock-connection

Sealing range (cable Ø): 4...8 mm

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.

[Link to Product](#)**Illustration**

Product may differ from Image



Side 1

Family construction form	M12
No. of poles	5
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,4 Nm
Cable outlet	straight
Material contact	Bronze
Degree of protection (EN IEC 60529)	IP67, IP65

Side 2

Family construction form	Push-Lock spring clamp connection
Mounting method	Field-wireable

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-13901-0000000
Customs tariff number	85366990
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EAN	4065909028926
Packaging unit	1

Electrical data | Supply

Operating voltage AC	48 V
Operating voltage DC	60 V
Operating voltage AC max. (UL-listed)	250 V
Current operating per contact (UL)	4 A

Diagnostics

Status indication LED	No
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Installation

Cross section connection with wire end ferrule min.	0,14 mm ²
Cross section connection with wire end ferrule max.	0,5 mm ²
Cross section connection with wire end ferrule AWG min.	28 AWG
Cross section connection with wire end ferrule AWG max.	20 AWG
Cross section connection without wire end ferrule min.	0,14 mm ²
Cross section connection without wire end ferrule max.	0,75 mm ²
Cross section connection without wire end ferrule AWG min.	26 AWG
Cross section connection without wire end ferrule AWG max.	18 AWG

Installation | Connection

Mating cycles min.	100
Connection information	Push-Lock spring clamp connection

Installation | Pin assignment

Coding	A
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Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Overvoltage category (EN 60950-1)	II
Insulation resistance min.	100 mΩ

Mechanical data | Material data

housing	PA
Material contact carrier	PA66
Coating contact	gold plated
Gasket	NBR
Combustibility class (UL94)	V-0

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
Clamping range min.	4 mm
Clamping range max.	8 mm

Environmental characteristics | Climatic

Operating temperature min.	-40 °C
Operating temperature max.	85 °C

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 61076-2-101 (M12)
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