

**M12 male 0° A-cod. IDC**4-pol., 0.25 - 0.5mm<sup>2</sup>, 4 - 5,1mm

Art.No.: 7000-12481-0000000

Weight: 0.02

Country of origin: DE

Model designation: MSAL0-AC-T-IDC

Male straight

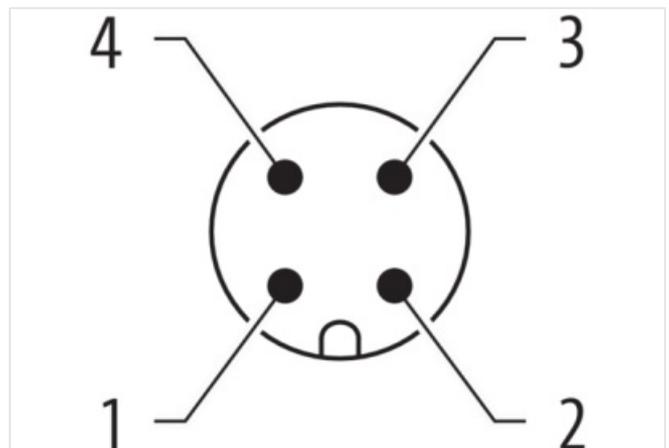
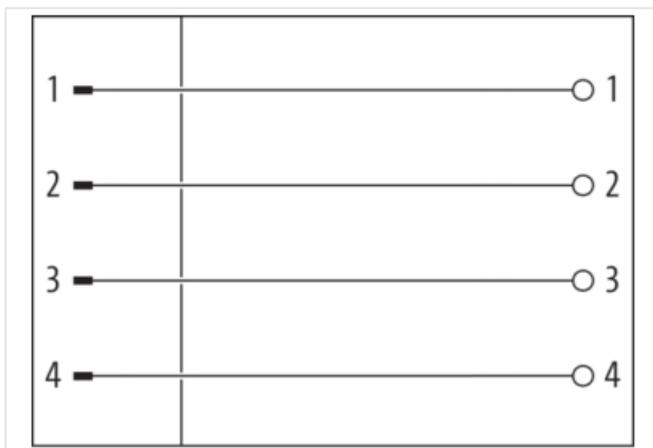
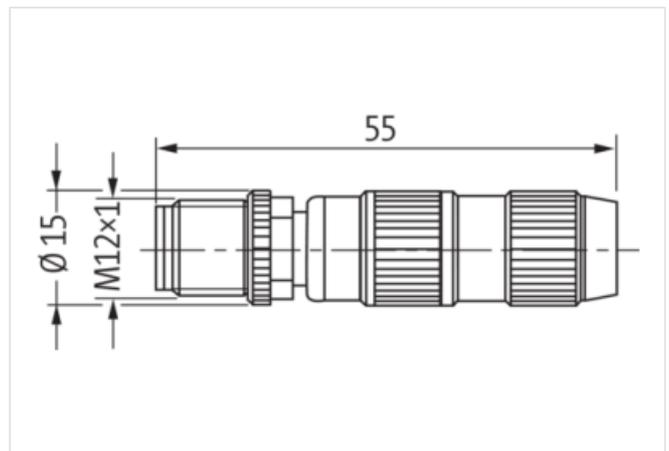
M12, 4-pole

IDC terminals

Connection cross section: 0.25...0.5 mm<sup>2</sup>

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

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

**Header**

Material short text

MSAL0-AC-T-IDC

**Side 1**

Family construction form

M12

Degree of protection (EN IEC 60529)

IP67

**Commercial data**

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: 2025-10-15

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URL Webshop	<a href="https://shop.murrelektronik.com/7000-12481-0000000">https://shop.murrelektronik.com/7000-12481-0000000</a>
GTIN	4048879201841
ECLASS-6.0	27279221
ECLASS-6.1	27260702
ECLASS-7.0	27440102
ECLASS-7.1	27440102
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ECLASS-8.1	27440102
ECLASS-9.0	27440116
ECLASS-9.1	27440106
ECLASS-10.0.1	27440106
ECLASS-10.1	27440102
ECLASS-11.0	27440106
ECLASS-11.1	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440106
ECLASS-14.0	27440106
ETIM-5.0	EC002635
ETIM-6.0	EC002635
ETIM-7.0	EC002635
ETIM-8.0	EC002635
customs tariff number	85366990
EAN	4048879201841
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	32 V
Operating voltage DC max.	32 V
Current operating per contact max.	4 A

**Installation**

Single wire diameter min.	0.1 mm
Connection cross section min.	0.25 mm <sup>2</sup>
Connection cross section max.	0.5 mm <sup>2</sup>

**Installation | Connection**

Tightening torque	0.6 Nm
Wire insulation diameter min.	1.2 mm
Wire insulation diameter max.	1.6 mm

**Device protection | Electrical**

Additional condition protection degree	mounted, screwed
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	III

**Mechanical data | Mounting data**

Height	55 mm
Width	15 mm
Depth	15 mm
Mounting method	inserted, screwed, Shaking protection
Clamping range min.	4 mm
Clamping range max.	5.1 mm

**Environmental characteristics | Climatic**

Operating temperature min.	-25 °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.