M12 male 0° IDC V2A

4-pol. 0,25 - 0,5mm²

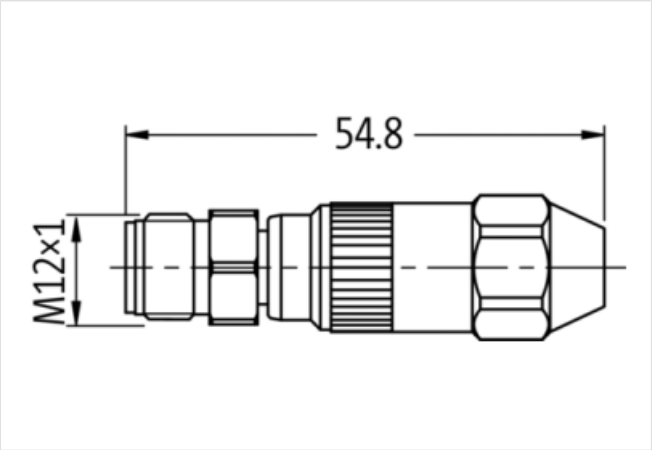
Art.No.: 7003-12481-0000000
Weight: 0,023 kg
Country of origin: DE
Model designation: MSAL0-AC-T-IDC-S03

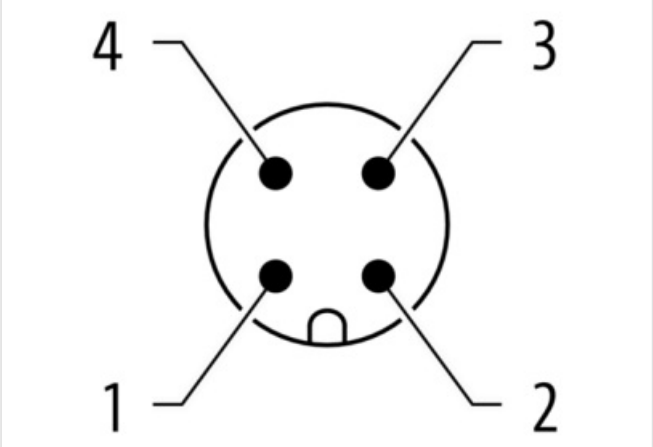
Male straight
M12, 4-pole
IDC terminals
Connection cross section: 0.25...0.5 mm²
Stainless steel 1.4305 (V2A) PTFE coated
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

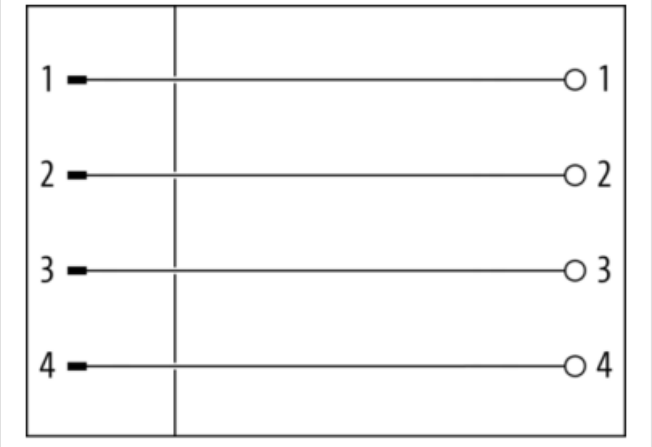
Link to Product

Illustration









Product may differ from Image

Side 1-1

Family construction form	M12
Coding	A
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: 2026-10-15

URL Webshop	https://shop.murrelektronik.com/7003-12481-0000000
GTIN	4048879470551
EU-Customs tariff number	85366990
US-Customs tariff number	8536694020
ECLASS-6.0	27279221
ECLASS-6.1	27260702
ECLASS-7.0	27440102
ECLASS-7.1	27440102
ECLASS-8.0	27440102
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
ETIM-9.0	EC002635
ETIM-10.0	EC002635
customs tariff number	85366990
EAN	4048879470551
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 mm²
Connection cross section max.	0.5 mm²
Installation | Connection	
Tightening torque	0.6 Nm
Mounting set	M12 x 1
Wire insulation diameter min.	1.2 mm
Wire insulation diameter max.	1.6 mm
Device protection | Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	III
Mechanical data | Material data	
Locking material	Stainless steel 1.4305 (V2A)
Coating locking nut	PTFE beschichtet
Mechanical data | Mounting data	
Mounting method	inserted, screwed, Shaking protection
Clamping range min.	4 mm
Clamping range max.	5.1 mm

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: 2026-10-15

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.

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: 2026-10-15