M12 male 0° A-cod. IDC

4-pol., 0,14 - 0,34mm², 2,9 - 5,1mm

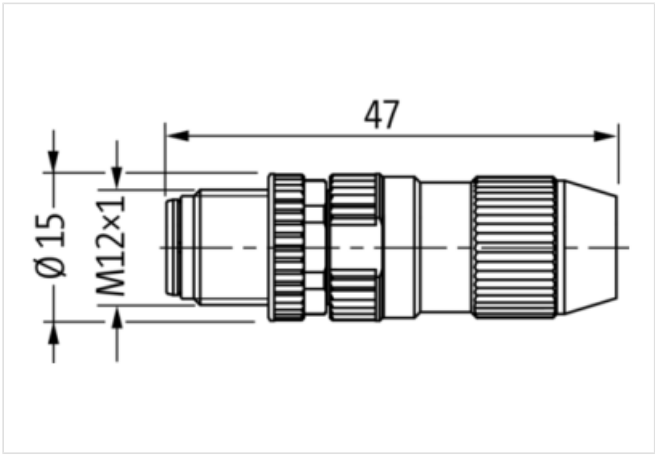
Art.No.: 7000-12491-0000000
Weight: 0,020 kg
Country of origin: DE
Model designation: MSAL0-AC-T M12 MOSA 0,14-0,34qmm

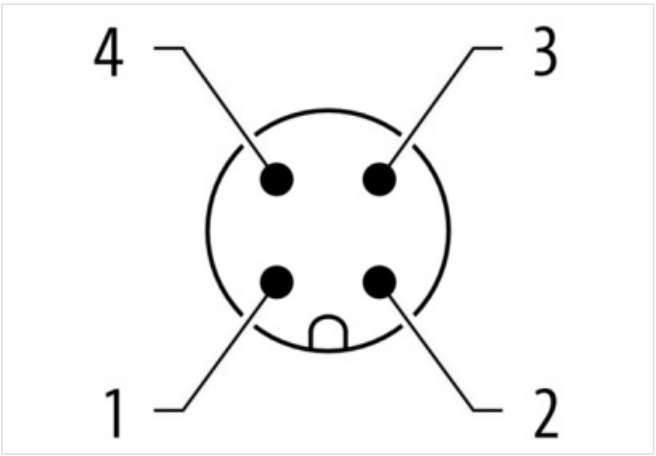
Male straight
M12, 4-pole
IDC terminals
Connection cross section: 0.14...0.34 mm²
The resistance to aggressive media should be individually tested for your application. Further details on request.

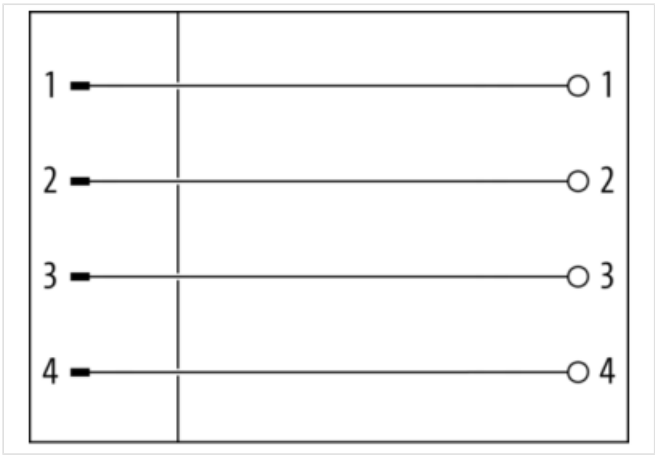
Link to Product

Illustration









Product may differ from Image

Side 1-1

Family construction form	M12
No. of poles	4

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Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0.6 Nm
Cable outlet	straight
Material contact	Brass
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP65

Side 2-2

Mounting method	Field-wireable

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-12491-0000000
GTIN	4048879201834
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	4048879201834
Packaging unit	1

Electrical data

Contact resistance max.	10 mΩ

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.	0.14 mm²
Connection cross section max.	0.34 mm²

Installation | Connection

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Connection	Cut clamps IDC
Tightening torque	0.6 Nm
Mating cycles min.	100
Wire insulation diameter min.	1 mm
Wire insulation diameter max.	1.6 mm
Device protection | Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1.5 kV
Material group (IEC 60664-1)	I
Mechanical data | Material data	
housing	PA
Mechanical data | Mounting data	
Height	43 mm
Width	15 mm
Depth	15 mm
Mounting method	inserted, screwed
Locking techniques	Screw locking
Clamping range min.	2.9 mm
Clamping range max.	5.1 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), EN 45545-2, EN 50155
Shock and vibration resistance	EN/IEC 61373
Fire protection	EN 45545-2, HL1-HL3, requirement sets R22, R23, R24

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