

M12 male 0° D-cod. IDC

4-pol., 0,14 - 0,34mm², 4,5 - 8,8mm, shielded

Art.No.: 7000-14521-0000000

Weight: 0.054 kg

Country of origin: RO

Model designation: MSDAL0-AC-T D-CODE MOSA

Ethernet CAT5

Male straight

M12, 4-pole

D-coded

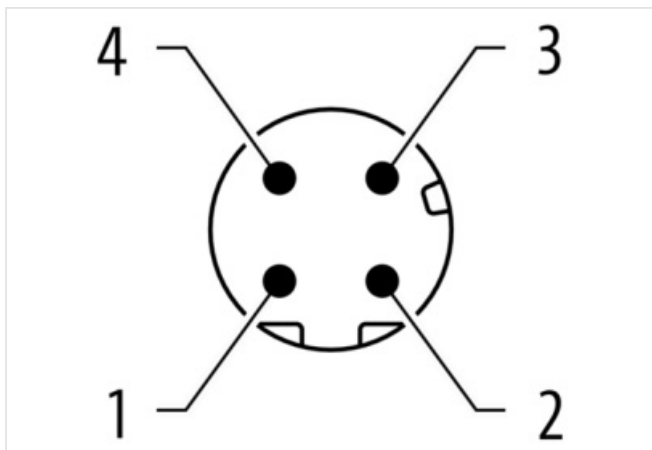
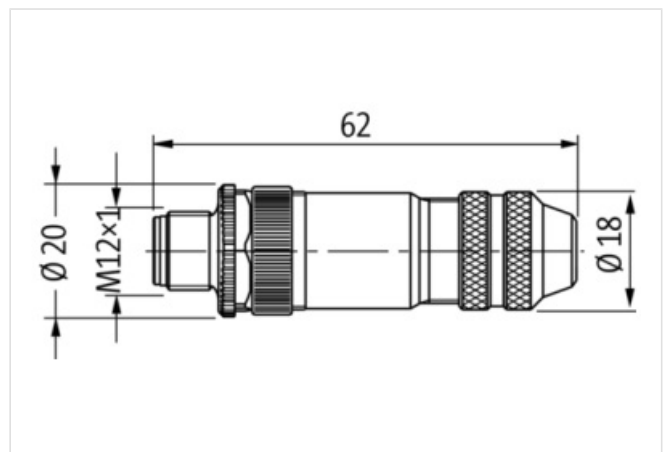
MOSA

IDC terminals

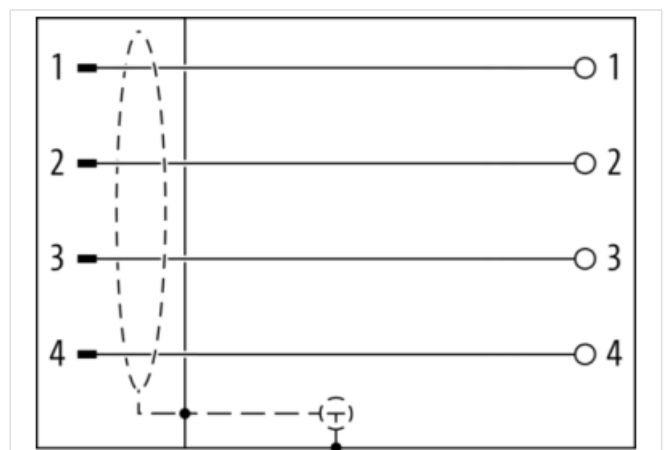
Shielded

Sealing range (cable Ø): 4.5...8.8 mm

good resistance to oil and chemicals

[Link to Product](#)
Illustration


Product may differ from Image



Side 1

Family construction form	M12
No. of poles	4
Coding	D
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP67, IP65

Side 2

Mounting method	Field-wireable
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Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-14521-0000000
GTIN	4048879197489
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	27440106
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	4048879197489
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	50 V
Operating voltage DC max.	50 V
Current operating per contact max.	4 A

Industrial Communication

Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

Industrial communication | Ethernet functionality

duplex	Full duplex
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Installation

Connection cross section min.	0,14 mm²
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Connection cross section max.	0,34 mm²
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Installation | Connection

Connection	Cut clamps IDC
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Tightening torque	0,6 Nm
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Mating cycles min.	100
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Device protection

Shielded	Yes
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Device protection | Electrical

Additional condition protection degree	inserted, screwed
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Pollution Degree	3
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Rated surge voltage	1,5 kV
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

housing	Zinc die-casting
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Material contact carrier	PA
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Material contact	Brass
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Coating contact	gold plated
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Locking material	Zinc die-casting
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Coating locking	Nickeled
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Clamping range min.	4,5 mm
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Clamping range max.	8,8 mm
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Environmental characteristics | Climatic

Operating temperature min.	-40 °C
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Operating temperature max.	85 °C
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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.
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Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Conformity

Product standard	EN 45545-2, EN 50155, EN IEC 61076-2-101 (M12)
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Shock and vibration resistance	EN/IEC 61373
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Fire protection	EN 45545-2, HL1-HL3, requirement sets R22, R23, R24
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