

## M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 3m

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

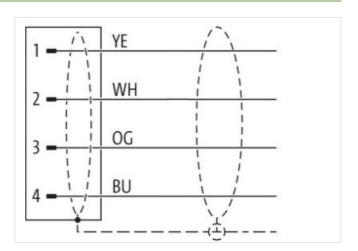
Plastic housings with good resistance against chemicals and oils.

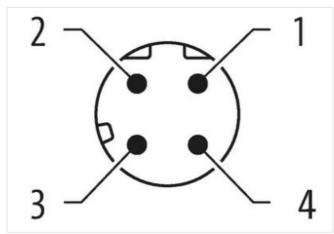
The resistance to aggressive media should be individually tested for your application. Further details on request.

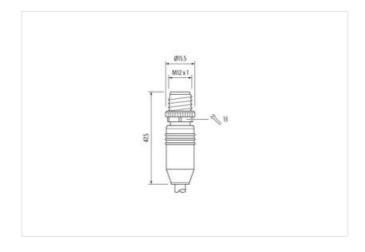
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

3 m



stay connected

Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         D           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-12.0         4048879379229           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication	
Family construction form         M12           Thread         M12 x 1           Coding         D           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECILASS-12.0         27060307           ECILASS-12.0         EC002599           customs tariff number         85444290           3TIN         4048879379229           Packaging unit         1           Electrical data   Supply           Depending voltage DC max.         60 V           Current operating per contact max.         1,5 A	
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Industrial communication	
madellal communication	
Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max. 100 MBit/s	
Industrial communication   Ethernet functionality	
duplex Full duplex	
Installation   Connection	
Mounting set M12 x 1	
·	
Device protection   Electrical	
Additional condition protection degree inserted, screwed	
Pollution Degree 3	
Rated surge voltage 1,5 kV	
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose without	
Mechanical data   Material data	
Coating locking Nickeled	
Coating of fitting nickel plated	
Locking material Zinc die-casting	
Material screw connection Zinc die-casting	
Mechanical data   Mounting data	
Mounting method inserted, screwed, Shaking protection	
Environmental characteristics   Climatic	
Operating temperature min25 °C	
05:00	
Operating temperature max.	
Additional condition temperature range depending on cable quality	

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: 2024-05-08



stay connected

ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
ote on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
nstallation   Cable	
able identification	793
acket Color	green
ype of Certificate	cURus
mount stranding	1
tranding	4 wires around Filler twisted
cable shielding (type)	copper braid, tinned
cable shielding (coverage)	85 %
anding	Fleece, Foil
iller	yes
ire arrangement	white, yellow, blue, orange
able weigth	69,3 g/m
laterial jacket	PUR
hore hardness jacket	90 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6.6 mm
olerance outer diameter (sheath)	±5%
laterial wire insulation	PE PE
mount wires	4
uter diameter insulation	1,6 mm
uter diameter tolerance core insulation	±5%
hore hardness wire insulation	65 Shore D
gredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	19
iameter of single wires	22 AWG
conductor crosssection (wire)	22 AWG
laterial conductor wire	copper stranded wire, tinned
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity (standard)	4.8 A
characteristic impedance	100 Ω ± 15 % MHz
lectrical resistance line constant wire	59,4 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
lectrical capacity line constant (wire - wire)	52000 pF/km
ower frequency withstand voltage (wire - cket)	2 kV @ 60 s
C withstand voltage (wire - shield)	2 kV @ 60 s
lin. operating temperature (static)	-40 °C
lax. operating temperature (fixed)	80 °C
perating temperature min. (dynamic)	-20 °C
perating temperature max. (dynamic)	60 °C
lame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
hemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
bil resistance	Good, application-related testing   DIN EN 60811-404
ending radius (fixed)	8 x Outer diameter
ending radius (dynamic)	12 x Outer diameter



No. of torsion cycles 4 Mio.

Torsion stress ± 180 °/m