

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

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

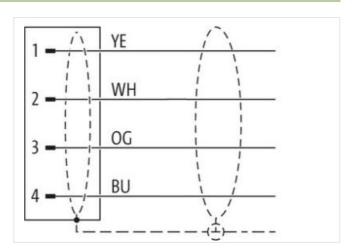
Plastic housings with good resistance against chemicals and oils.

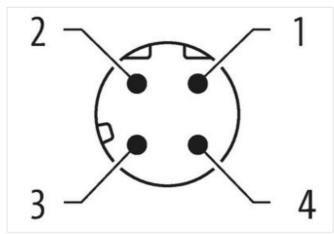
The resistance to aggressive media should be individually tested for your application. Further details on request.

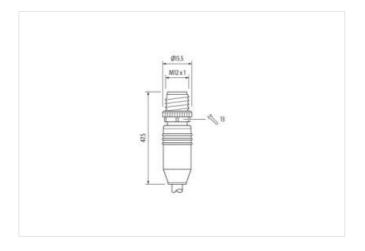
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 m



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ghtening torque	
	0,6 Nm
ounting method	inserted, screwed
amily construction form	M12
nread	M12 x 1
oding	D
aterial	PUR
idth across flats	SW13
egree of protection (EN IEC 60529)	IP65, IP66K, IP67
commercial data	
CLASS-6.0	27061801
CLASS-6.1	27060307
CLASS-7.0	27060307
CLASS-8.0	27060307
CLASS-9.0	27060307
CLASS-10.1	27060307
CLASS-11.1	27060307
CLASS-12.0	27060307
ΓΙΜ-5.0	EC002599
stoms tariff number	85444290
TIN	4048879701136
ackaging unit	1
lectrical data   Supply	
perating voltage DC max.	60 V
urrent operating per contact max.	1,5 A
ndustrial communication	
ansfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
ata transmission rate max.	100 MBit/s
ndustrial communication   Ethernet func	tionality
plex	Full duplex
nstallation   Connection	
ounting set	M12 x 1
	WIEX I
Pevice protection   Electrical	
dditional condition protection degree	inserted, screwed
ollution Degree	3
ated surge voltage	1,5 kV
aterial group (IEC 60664-1)	l
lechanical data	
ontour for corrugated hose	without
lechanical data   Material data	
pating locking	Nickeled
pating of fitting	nickel plated
cking material	Zinc die-casting
aterial screw connection	Zinc die-casting
lechanical data   Mounting data	
	inserted, screwed, Shaking protection
ounting method	
ounting method	
nvironmental characteristics   Climatic	.25 ℃
invironmental characteristics   Climatic perating temperature min.	-25 °C 85 °C
nvironmental characteristics   Climatic	-25 °C 85 °C 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: 2024-05-02



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Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note 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	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
· · · · · · · · · · · · · · · · · · ·	000
Cable identification	800
Jacket Color	green
Type of Certificate	cURus 1
Amount stranding	4 wires around Filler star-shaped twisted
Stranding	· · · · · · · · · · · · · · · · · · ·
Cable shielding (type) Cable shielding (coverage)	copper braid, tinned 85 %
Banding	Foil
Filler	
wire arrangement	yes yellow, blue, orange, white
Fraversing distance (C-track)	5 m @ 25 °C
Cable weigth	73,7 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Duter-diameter (jacket)	6,6 mm
Folerance outer diameter (sheath)	±5%
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,53 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire -	<u> </u>
acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-10 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing



Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C