

**M12 fem. recept. D-cod. rear / RJ45 male 45° up**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.3m

Product fulfills requirements according to UN/ECE R118

Flange female straight – male 45° on top

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

M12 – RJ45

4-pole, shielded

D-coded

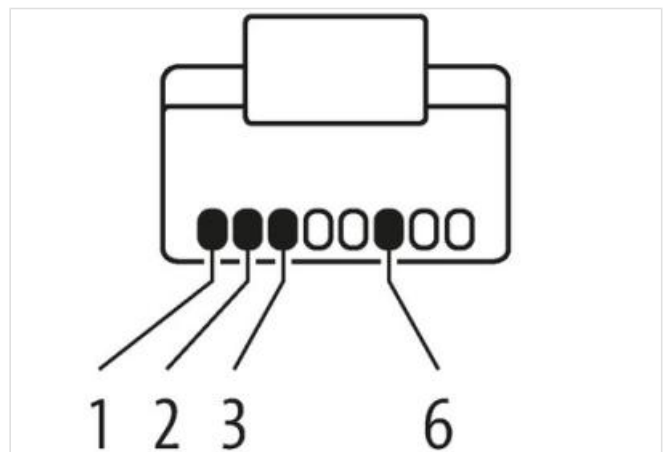
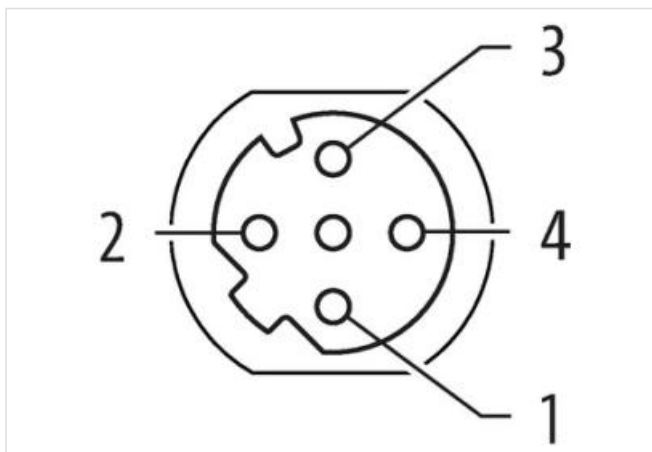
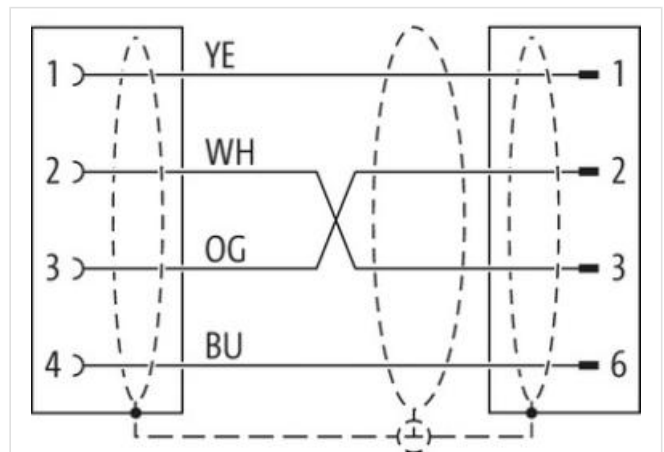
8-pole partly used

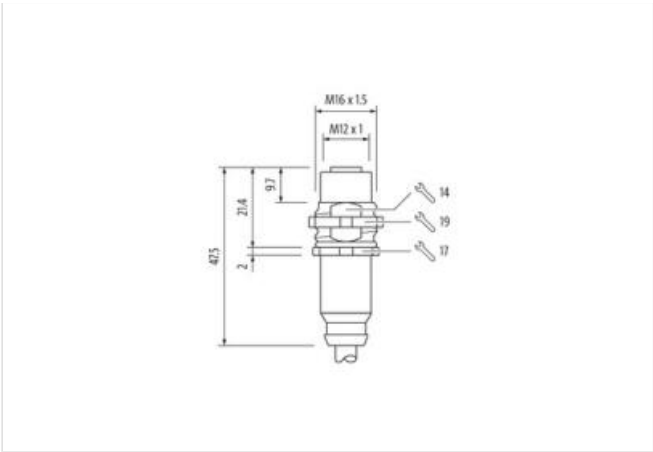
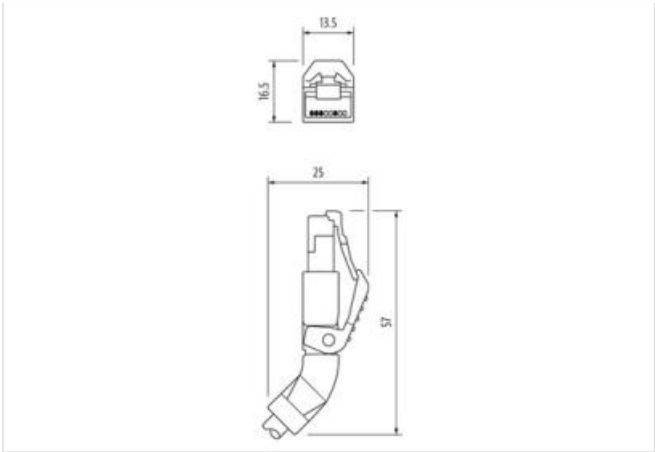
Rear mounting

Ethernet CAT5

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

[Link to Product](#)**Illustration**



Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	D
Material	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Coating head	nickel plated
Family construction form	RJ45
Material	Brass
Degree of protection (EN IEC 60529)	IP20
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879703673
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	

Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
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Data transmission rate max.	100 MBit/s
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#### Industrial communication | Ethernet functionality

duplex	Full duplex
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#### Installation | Connection

Mounting set	M16 x 1.5
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Family construction form	M12
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Width across flats	SW19
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#### Device protection | Electrical

Protection NEMA	3, 4, 6P
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Pollution Degree	3
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Rated surge voltage	1 kV
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Material group (IEC 60664-1)	I
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#### Mechanical data | Material data

Coating locking	nickel plated
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Locking material	Brass
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#### Mechanical data | Mounting data

Mounting method	inserted, screwed
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#### Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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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.
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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.
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#### Conformity

Product standard	DIN EN 61076-2-101 (M12)
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#### Approvals

UL 50E	yes
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#### Installation | Cable

Cable identification	796
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Jacket Color	green
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	4 wires around Core filler twisted
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Cable shielding (type)	copper braid, tinned
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Cable shielding (coverage)	85 %
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Banding	Fleece, Foil
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Filler	yes
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wire arrangement	white, yellow, blue, orange
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Traversing distance (C-track)	5 m @ 25 °C
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Travel speed (C-track)	3 Mio. @ 25 °C
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Cable weight	69,3 g/m
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Material jacket	PUR
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Shore hardness jacket	89 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Outer-diameter (jacket)	6,7 mm
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Travel speed (C-track)	3,3 m/s @ 25 °C
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Tolerance outer diameter (sheath)	± 5 %
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Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient 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
Loop resistance	5000 MΩ × km
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 % @ 100 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 - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m