

M12 female recept. D-cod. shielded rear

PUR 1x4xAWG22 shielded gn UL/CSA 10m

Ethernet CAT5

Flange female

M12, 4-pole

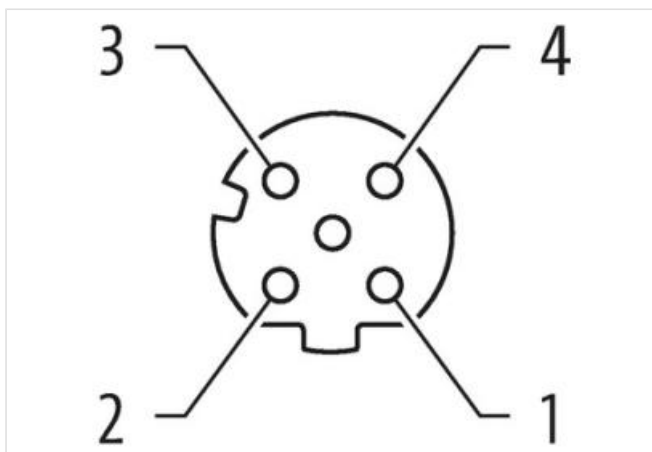
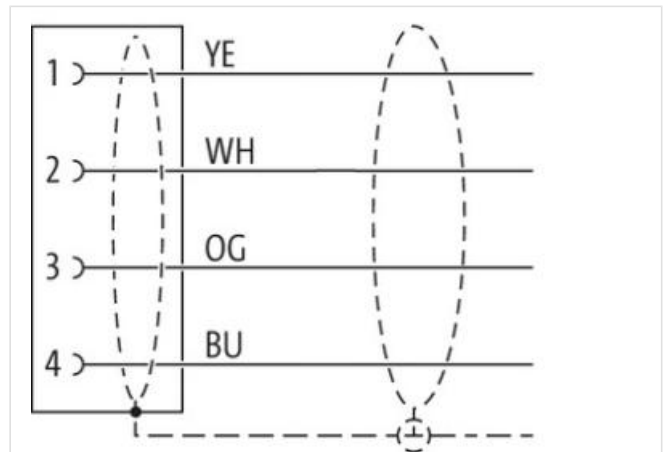
D-coded

shielded

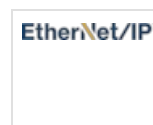
Rear mounting

Further cable lengths on request.

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

10 m

Side 1

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	Brass
Degree of protection (EN IEC 60529)	IP67

Commercial data

ECLASS-6.0	27279220
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	EC001855
customs tariff number	85444290
GTIN	4048879472678
Packaging unit	1

Electrical data | Supply

Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A

Industrial 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
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Installation | Connection

Mounting set	M16 x 1.5
Width across flats	SW19

Device protection | Electrical

Protection NEMA	3, 4, 6P
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

Coating locking	nickel plated
Coating of fitting	nickel plated
Locking material	Brass
Material screw connection	Brass

Mechanical data | Mounting data

Mounting method	Schraubgewinde
Looking techniques	Schraubgewinde

Environmental characteristics | Climatic

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

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

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.**Approvals**

UL 50E

yes

Installation | Cable

wire arrangement white, yellow, blue, orange

Cable identification 794

Jacket Color green

Type of Certificate cURus

Amount stranding 1

Stranding 4 wires around Filler twisted

Cable shielding (type) copper braid, tinned

Cable shielding (coverage) 85 %

Banding Fleece, Foil

Filler yes

wire arrangement white, yellow, blue, orange

Cable weight 75,87 g/m

Material jacket PUR

Shore hardness jacket 89 Shore A

Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket) 6,7 mm

Tolerance outer diameter (sheath) $\pm 5 \%$

Material inner jacket FRNC

Color (inner jacket) white

Material wire insulation PE

Amount wires 4

Outer diameter insulation 1,55 mm

Outer diameter tolerance core insulation $\pm 5 \%$

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

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 $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20^\circ\text{C}$

AC withstand voltage (wire - wire) 2 kV @ 60 s

Electrical capacity line constant (wire - wire) 52000 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 UL 1581 § 1090 | IEC 60332-2-2 | UL 1581 § 1100 FT2

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) 6 x Outer diameter

Bending radius (dynamic)

12 x Outer diameter