

## M12 fem. recept. D-cod. rear / RJ45 male 45° right

PUR 1x4xAWG22 shielded gn UL/CSA 3m

## **Ethernet CAT5**

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

Flange female straight - male 45° right

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

Rear mounting

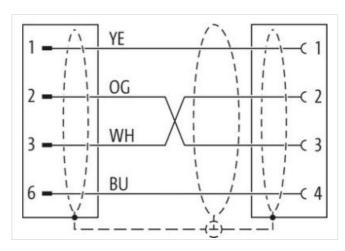
Further cable lengths on request.

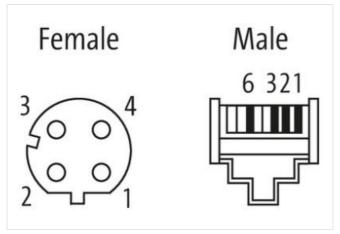
Plastic housings with good resistance against chemicals and oils.

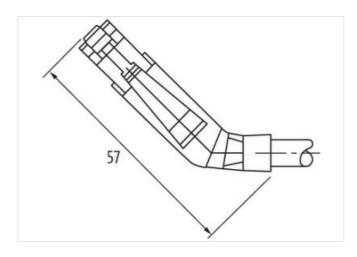
## **Link to Product**

## Illustration









Product may differ from Image











stay connected

| Cable length                              | 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                                      | 4048879656740                                    |
| 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) |
| Data transmission rate max.               | 100 MBit/s                                       |
|   |  |
| Industrial communication   Ethernet fun   | •  |
| duplex                                    | Full duplex                                      |
| Installation   Connection                 |  |
| Mounting set                              | M16 x 1.5  |
| Family construction form                  | M12  |
| Width across flats                        | SW19   |
| Device protection   Electrical            |  |
| Protection NEMA                           | 3, 4, 6P   |
| Pollution Degree                          | 3  |
| Rated surge voltage                       | 1 kV   |
| Material group (IEC 60664-1)              | T T T T T T T T T T T T T T T T T T T            |
| Mechanical data   Material data           |  |
| Coating locking                           | nickel plated                                    |
| Locking material                          | Brass  |
| Mechanical data   Mounting data           |  |
|   | in a second                                      |
| Mounting method                           | inserted, screwed                                |



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| Continuation   Cont |   |
|--|---|
| Additional condition temperature max.  |   |
| Additional condition temperature range depending on cable quality  Product standard DIN EN 61076-2-101 (M12)  Approvals  UL 50E yes  Installation   Cable  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) 6,7 mm  Tolerance outer diameter (sheath) 1.5 %  Material inner jacket FRNC  Color (inner jacket) white  Material inner jacket FRNC  Color (inner jacket) white  Material wire insulation PE  Amount wires 4  Outer diameter insulation 1.55 mm  Outer diameter rinsulation 2.2 AWG  Conductor cross-section (wire) 2.2 AWG  Material rinard sonductor wire between the material packet or outper diameter (see see insulation 1 lead-free, CFC-free, halogen-free  Amount strands (wire) 7  Diameter of single wires 22 AWG  Conductor cross-section (wire) 5 tranded copper wire, bare   |   |
| Conformity         Characteristics and   |   |
| Approvals         UL 50E         yes           Installation   Cable         Search (Cable Identification)         794           Jacket Color         green         Search (Cable Identification)         794           Jacket Color         green         Search (Cable Identification)         794           Amount stranding         1         Stranding         CURUS           Amount stranding         1         Stranding         4 wires around Filler twisted           Cable shielding (type)         copper braid, tinned         Cable shielding (coverage)         85 %           Bandling         Fleece, Foil         Filler         yes           Wrie arrangement         white, yellow, blue, orange         Stranding         Stranding         Filler (Sable Weight)         75,87 g/m           Material jacket         PUR         Shore A         Shor   |   |
| Approvals           UL 50E         yes           Installation   Cable           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 (type)         copper braid, tinned           Cable shielding (toverage)         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 (shealth)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         pE           Amount wires         4           Outer diameter insulation         pE           Amount strands (wire)         5 Shore D  |   |
| Ut 50E         yes           Installation   Cable           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, Foll           Filler         yes           wire arrangement         white, yellow, blue, orange           Cable weigth         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)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         white           Material wire insulation         PE           Armount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %  |   |
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| 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 weigth         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)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         pE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness  |   |
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| 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 weigth         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)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           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   |   |
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| 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) ± 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 ± 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  Gonductor crosssection (wire) 22 AWG  Material conductor wire Stranded copper wire, bare   |   |
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| Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  6,7 mm  Tolerance outer diameter (sheath)  ± 5 %  Material inner jacket  FRNC  Color (inner jacket)  Material wire insulation  PE  Amount wires  4  Outer diameter insulation  1,55 mm  Outer diameter tolerance core insulation  45 %  Shore hardness wire insulation  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Tolameter of single wires  22 AWG  Material conductor wire  Stranded copper wire, bare   |   |
| Freedom from ingredients (jacket)  Outer-diameter (jacket)  6,7 mm  Tolerance outer diameter (sheath)  ± 5 %  Material inner jacket  FRNC  Color (inner jacket)  Material wire insulation  PE  Amount wires  4  Outer diameter tolerance core insulation  Duter diameter tolerance core insulation  \$\frac{\pmathbf{5}}{5}\$ %  Shore hardness wire insulation  Ingredient freeness wire insulation  Ingredient freeness wire insulation  PE  Amount strands (wire)  7  Diameter of single wires  22 AWG  Material conductor wire  Stranded copper wire, bare   |   |
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| Conductor crosssection (wire) 22 AWG  Material conductor wire Stranded copper wire, bare   |   |
| 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 $\Omega$ ± 15 %   |   |
| 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) 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                                  |