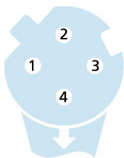
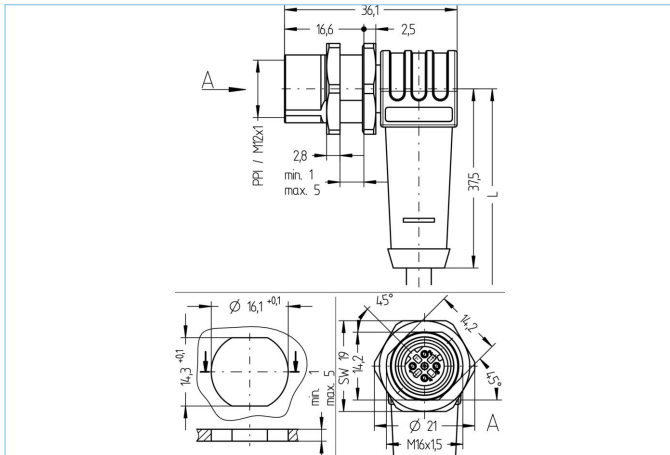


# Receptacle Single-ended cordset, M12, Push-Pull inner locking, female, angled, 4 poles, D-coded, back wall-mounting, shielded, Industrial Ethernet



| Product data                   |                                         |
|--------------------------------|-----------------------------------------|
| Item description               | IE-PPIWFKFDSY4.029-2/16/S2171           |
| Item-No.                       | 8122352                                 |
| Length                         | 2m                                      |
| Customs tariff-No.             | 85444290                                |
| Step-File                      | IE-PPIWFKFDSY4-m_16.stp                 |
| EAN                            | 4047106341268                           |
| Technical data                 |                                         |
| Connector                      | female, angled, M12                     |
| Number of pins                 | 4                                       |
| Pin assignment                 | 1 YE, 2 WH, 3 OG, 4 BU                  |
| Coding                         | D                                       |
| Rated voltage                  | 60V DC                                  |
| Current load per pin (at 40°C) | 4A                                      |
| Insulation resistance          | ≥10 <sup>9</sup> Ω                      |
| Transmission features          | Cat5e                                   |
| Ambient temperature product    | -30°C...+90°C                           |
| Contact material               | Metal, CuSn, gold-plated                |
| Contact-carrier material       | Plastic, TPU, GN                        |
| Grip body material             | Plastic, TPU, BK                        |
| Receptacle housing material    | Metal, CuZn, nickel-plated              |
| Sealing (female) material      | Plastic, NBR                            |
| Material of external sealing   | NBR                                     |
| Shielding                      | with shielding                          |
| Mounting direction             | Back wall-mounting (incl. Fixing screw) |
| Wrench size of fastening nut   | A/F19                                   |
| Fastening thread               | M16x1.5                                 |
| Wall thickness area fixing nut | 1,0...5,0 mm                            |

|                                  |                    |
|----------------------------------|--------------------|
| Connecting type                  | Cable              |
| Standards                        | IEC 61076-2-010    |
| Degree of protection (mounted)   | IP65, IP67, IP68   |
| Mechanical life-cycle            | >100 mating cycles |
| Degree of pollution              | 3                  |
| Style                            | angled             |
| Tightening torque housing/flange | 2,0 Nm             |

|                  |                                        |
|------------------|----------------------------------------|
| <b>Cable web</b> | <b>Cat5e, PUR, UL, S2171, PROFINET</b> |
|------------------|----------------------------------------|

Shielded, PUR-cable for industrial applications. The cable is CMX-verified or meets the Cat5e (electrical properties of EN 50288-2-1) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. A drag-chain application with up to 3 million bending cycles is possible.

|                              |                                                                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 6.50 mm                                                                                                                                                                                                                                                                       |
| Cable-jacket material        | PUR                                                                                                                                                                                                                                                                           |
| Jacket color                 | GN, similar RAL6018                                                                                                                                                                                                                                                           |
| Wire cross-section           | 1 x 4 x AWG22, star quad                                                                                                                                                                                                                                                      |
| Wire insulation material     | FRNC                                                                                                                                                                                                                                                                          |
| Wire colors                  | WH, BU, OG, YE                                                                                                                                                                                                                                                                |
| Wire structure               | 7 x 0.25 mm                                                                                                                                                                                                                                                                   |
| Bending radius (fixed)       | 4 x Ø-cable                                                                                                                                                                                                                                                                   |
| Bending radius (repeated)    | 8 x Ø-cable                                                                                                                                                                                                                                                                   |
| Temperature range (repeated) | -30°C...+70°C                                                                                                                                                                                                                                                                 |
| Temperature range (fixed)    | -40°C...+75°C                                                                                                                                                                                                                                                                 |
| Drag chain-application       | 3 Mio. bending cycles                                                                                                                                                                                                                                                         |
| Acceleration Drag chain      | max. 4m/s <sup>2</sup>                                                                                                                                                                                                                                                        |
| Halogen-free                 | Yes                                                                                                                                                                                                                                                                           |
| Transmission features        | Cat5e                                                                                                                                                                                                                                                                         |
| Rated voltage cable          | 600 V UL rating                                                                                                                                                                                                                                                               |
| Special features             | flame retardant, halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, PROFINET Type C, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, UN ECE R 118, UV resistant |
| Geschwindigkeit Schleppkette | max. 4m/s                                                                                                                                                                                                                                                                     |

| Classification |          |
|----------------|----------|
| eCl@ss 6.0     | 27279220 |
| eCl@ss 7.0     | 27440103 |
| eCl@ss 8.0     | 27440103 |
| eCl@ss 9.0     | 27440103 |
| ETIM 5.0       | EC002061 |
| ETIM 6.0       | EC002061 |