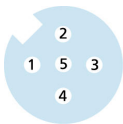
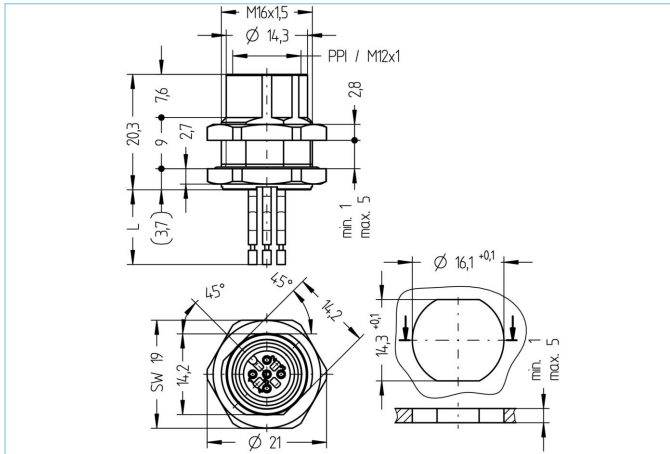


# Receptacle, M12, Push-Pull inner locking, female, straight, 5 poles, back wall-mounting, wire contact



| Product data                   |                                         |
|--------------------------------|-----------------------------------------|
| Item description               | AL-PPIFHM12KUA4.5-0,5/M16               |
| Item-No.                       | 8120416                                 |
| Customs tariff-No.             | 85444290                                |
| Packaging unit                 | 5                                       |
| Step-File                      | AL-PPIFHM12KUA4_5-m_M16.stp             |
| EAN                            | 4047106340773                           |
| Technical data                 |                                         |
| Connector                      | female, straight, M12                   |
| Number of pins                 | 5                                       |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GY            |
| Coding                         | A                                       |
| Rated voltage                  | 50V <sub>AC</sub>   63V <sub>DC</sub>   |
| Current load per pin (at 40°C) | 4A                                      |
| Insulation resistance          | ≥10 <sup>8</sup> Ω                      |
| Ambient temperature product    | -30°C...+90°C                           |
| Contact material               | Metal, CuSn, gold-plated                |
| Contact-carrier material       | Plastic, TPU, BK                        |
| Receptacle housing material    | Metal, CuZn, nickel-plated              |
| Sealing (female) material      | FPM/FKM                                 |
| Material of external sealing   | NBR                                     |
| Mounting direction             | Back wall-mounting (incl. Fixing screw) |
| Wrench size of fastening nut   | A/F19                                   |
| Wire length                    | 0.50m                                   |
| Wire colors                    | BN, WH, BU, BK, GY                      |
| Wire cross-section             | 5 x 0.34 mm <sup>2</sup>                |
| Wire insulation material       | PVC                                     |
| Fastening thread               | M16x1.5                                 |
| Wall thickness area fixing nut | 1,0...5,0 mm                            |

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

**Link to product**

<https://www.escha.net/en/8120416>