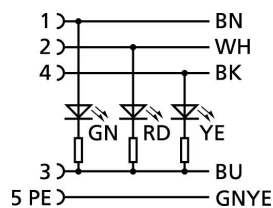
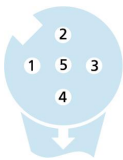


## M12, female, angled, 4+PE, with LED, sensor-/actuator cable



### Product data

|                    |                    |
|--------------------|--------------------|
| Item description   | AL-WWAK5P3.1-2/P01 |
| Item-No.           | 8051346            |
| Length             | 2m                 |
| Customs tariff-No. | 85444290           |
| Step-File          | AL-WWAK5P3_1.stp   |
| EAN                | 4047106020194      |

### Technical data

|                                |                                |
|--------------------------------|--------------------------------|
| Connector                      | female, angled, M12, with LED  |
| Number of pins                 | 4+PE                           |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK, 5 GNYE |
| Coding                         | A                              |
| Rated voltage                  | 30V                            |
| Current load per pin (at 40°C) | 4A                             |
| Insulation resistance          | $\geq 10^9 \Omega$             |
| Resistance                     | $\leq 5 m\Omega$               |
| Ambient temperature product    | -30°C...+90°C                  |
| Circuit logic                  | pnp                            |
| Signal status-indicator        | LED YE/RD                      |
| Operating voltage-indicator    | LED GN                         |
| Contact material               | Metal, CuZn, gold-plated       |
| Contact-carrier material       | Plastic, TPU, BK               |
| Grip body material             | Plastic, TPU, transparent      |
| Coupling nut material          | Metal, CuZn, nickel-plated     |
| Sealing (female) material      | FPM/FKM                        |

|                                |                    |
|--------------------------------|--------------------|
| Standards                      | IEC 61076-2-101    |
| Degree of protection (mounted) | IP65, IP67, IP68   |
| Mechanical life-cycle          | >100 mating cycles |
| Cable end assembly             | open cable end     |
| Degree of pollution            | 3                  |
| Style                          | angled             |

|                  |                         |
|------------------|-------------------------|
| <b>Cable web</b> | <b>PVC, UL, P01, GY</b> |
|------------------|-------------------------|

PVC-cable for measurement and control-, and sensor technology. Suitable for applications in dry areas on packaging machines, assembly- and conveyor technology. High flexibility with unstressed movement (conditional drag-chain application possible). Predestined for applications in food- and beverage industry.

|                              |  |
|------------------------------|--|
| Outer diameter of jacket     | 5.30 mm  |
| Cable-jacket material        | PVC  |
| Jacket color                 | GY, similar RAL7040  |
| Wire cross-section           | 4+1 x 0.34mm <sup>2</sup>  |
| Wire insulation material     | PVC  |
| Wire colors                  | BN, WH, BU, BK, GNYE   |
| Wire structure               | 19 x 0.15 mm   |
| Bending radius (fixed)       | 5 x Ø-cable  |
| Bending radius (repeated)    | 10 x Ø-cable   |
| Temperature range (repeated) | 0°C...+80°C  |
| Temperature range (fixed)    | -25°C...+80°C  |
| Rated voltage cable          | ≤300 V   |
| Special features             | good resistance against oils and chemicals, LABS free, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, seawater resistant, UV resistant |

### Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

### Accessories

#### Mounting-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

#### Torque-wrench set

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

#### Marking rings Ø 9mm

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

#### Screw plug, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812>

#### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

#### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>

### Link to product

<https://www.escha.net/en/products/standard/sensoractuator-connectors/8051346>