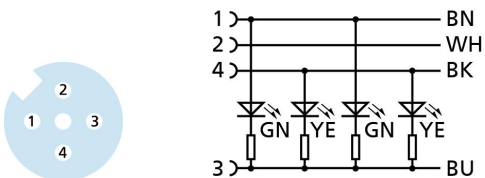
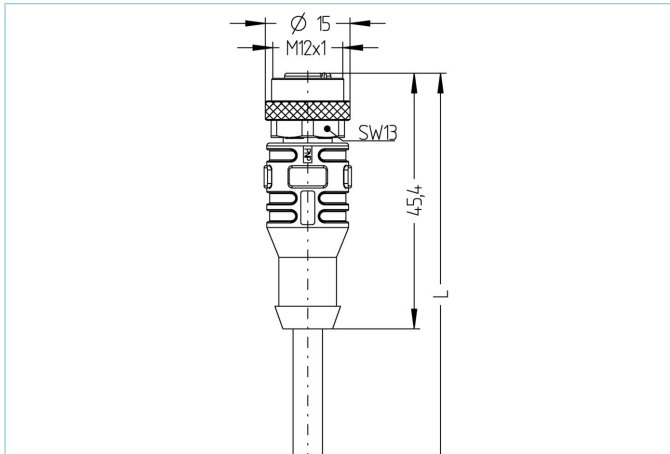


**M12, female, straight, 4 poles, with LED, sensor-/actuator cable**



**Product data**

|                    |                 |
|--------------------|-----------------|
| Item description   | AL-WAK4P2-3/P01 |
| Item-No.           | 8086503         |
| Length             | 3m              |
| Customs tariff-No. | 85444290        |
| Step-File          | AL-WAK4P2.stp   |
| EAN                | 4047106246297   |

**Technical data**

|                                |                                 |
|--------------------------------|---------------------------------|
| Connector                      | female, straight, M12, with LED |
| Number of pins                 | 4                               |
| Pin assignment                 | 1 BN, 2 WH, 3 BU, 4 BK          |
| 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                          |
| 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                          | straight           |

|                  |                         |
|------------------|-------------------------|
| <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     | 4.90 mm                                                                                                                                                          |
| Cable-jacket material        | PVC                                                                                                                                                              |
| Jacket color                 | GY, similar RAL7040                                                                                                                                              |
| Wire cross-section           | 4 x 0.34 mm <sup>2</sup>                                                                                                                                         |
| Wire insulation material     | PVC                                                                                                                                                              |
| Wire colors                  | BN, WH, BU, BK                                                                                                                                                   |
| 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 |

|                       |          |
|-----------------------|----------|
| <b>Classification</b> |          |
| 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 |

|                                                                                                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Accessories</b>                                                                                                                                                                                                                                 |  |
| Mounting-clip, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660">https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660</a>                                                |  |
| Torque-wrench set<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431">https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431</a>                                                 |  |
| Marking rings Ø 9mm<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=809</a> |  |
| Screw plug, M12<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812">https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&amp;o=3&amp;n=15&amp;f=812</a>     |  |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215</a>                                              |  |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216">https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216</a>                                              |  |