# ESCHA

## M12, female, straight, 8 poles, sensor-/actuator cable

### Product data

| | |
|---|---|
| Item description | AL-WAK8-2/P00 |
| Item-No. | 8051089 |
| Length | 2m |
| Customs tariff-No. | 85444290 |
| Step-File | AL-WAK8.stp |
| EAN | 4047106013967 |

### Technical data

| | |
|---|---|
| Connector | female, straight, M12 |
| Number of pins | 8 |
| Pin assignment | 1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD |
| Coding | A |
| Rated voltage | 30V |
| Current load per pin (at 40°C) | 2A |
| Insulation resistance | $>=10^8\Omega$ |
| Resistance | $\leq 5m\Omega$ |
| Ambient temperature product | -30°C...+90°C |
| Contact material | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic, TPU, BK |
| Grip body material | Plastic, TPU, BK |
| 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 |

| Cable | PVC, P00, GY |
|---|---|

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 | 5.70 mm |
| Cable-jacket material | PVC |
| Jacket color | GY, similar RAL7040 |
| Wire cross-section | 8 x 0.25 mm² |
| Wire insulation material | PVC |
| Wire colors | WH, BN, GN, YE, GY, PK, BU, RD |
| Wire structure | 14 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 | seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone 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-set, M12 |
| https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664 |
| 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 |
| 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/8051089

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.
ESCHA GmbH & Co. KG | Elberfelder Str.32 | 58553 Halver / Germany | Phone +49 2353 708 - 800 | Fax +49 2353 708 - 8410 | version: 17.07.2017  8051089 page: 2