

M12, female, angled, 3 poles, with LED, Food & Beverage



Product data

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| Item description | FB-VVAKH3P2-m/S3930 |
| Item-No. | V0005256 |
| Länge | on demand |
| Customs tariff-No. | 85444290 |
| Step-File | FB-VVAKH3P2.stp |

Technical data

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| Connector | female, angled, M12, with LED |
| Number of pins | 3 |
| Pin assignment | 1 BN, 3 BU, 4 BK |
| Coding | A |
| Rated voltage | 30V |
| Current load per pin (at 40°C) | 3A |
| Insulation resistance | $\geq 10^9 \Omega$ |
| Resistance | $\leq 5 m\Omega$ |
| Ambient temperature product | -40°C...+105°C |
| Circuit logic | pnp |
| Signal status-indicator | LED YE |
| Operating voltage-indicator | LED GN |
| Contact material | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic, PP, GY |
| Grip body material | Plastic, TPE, transparent |
| Coupling nut material | Stainless steel, V4A |
| Sealing (female) material | EPDM |

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| Standards | IEC 61076-2-101 |
| Degree of protection (mounted) | IP65, IP67, IP68, IP69 |
| Mechanical life-cycle | >100 mating cycles |
| Cable end assembly | open cable end |
| Degree of pollution | 3 |
| Style | angled |

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| Cable web | TPE, S3930, GY |
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TPE jacketed cable with elevated position-proof wires with an insulation of special polyester. Resistant to all common acidic- and alkaline cleaning- and disinfection agents. PVC-free plastics prevent discoloration and hardening by detergents. Predestined for applications in the food- and beverage industry. Due to the materials used, it is also suitable for applications in machine- and plant construction. High stability, good drag-chain- and torsion capability.

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| Outer diameter of jacket | 4.60 mm |
| Cable-jacket material | TPE |
| Jacket color | GY, similar RAL7035 |
| Wire cross-section | 4 x 0.34 mm ² |
| Wire insulation material | TPE |
| Wire colors | BN, WH, BU, BK |
| Wire structure | 42 x 0.10 mm |
| Bending radius (fixed) | 5 x Ø-cable |
| Bending radius (repeated) | 10 x Ø-cable |
| Temperature range (repeated) | -25°C...+105°C |
| Temperature range (fixed) | -40°C...+105°C |
| Temperature range (drag chain) | -25°C...+60°C |
| Halogen-free | Yes |
| Rated voltage cable | ≤240 VAC |
| Special features | increased thermal load, halogen free, excellent acid- and alkali resistant, hydrolysis proof, LABS free, ozone resistant, recyclable, RoHs compliant, drag chain-adapted, seawater resistant, torsion resistant, verified resistance against P3-topactive, flexibility at low temperature |

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| Classification | |
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| 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 |

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| Accessories | |
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| 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 | |
| Food & Beverage, Adapter https://www.escha.net/en/products/standard/accessories-for-connectivity/8063392 | |