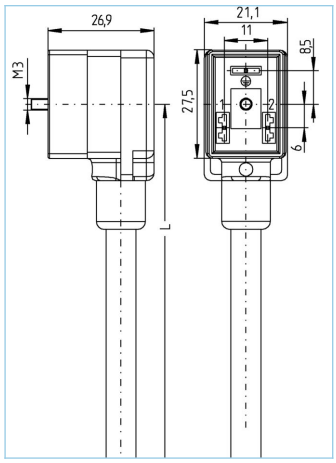
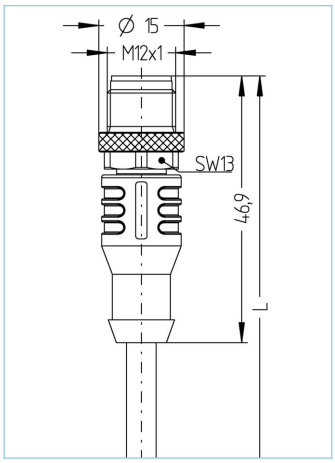
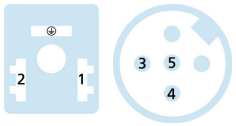
Valve connector, housing style BI, 2+PE, M12, male, straight, 4+PE, suppressor diode, sensor-/actuator cable

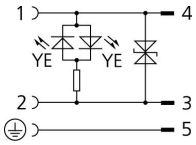







| Product data | |
|---|---|
| Item description | VBI21-24.3-m-AL-WAS5.002/P00 |
| Item-No. | V0003926 |
| Length | on demand |
| Customs tariff-No. | 85444290 |
| Step-File | VBI21-24.3-L-AL-WAS5.stp |

| Technical data | A-side | B-side |
|---|---|---|
| Connector | female, angled, Valve BI | male, straight, M12 |
| Number of pins | 2+PE | 4+PE |
| Pin assignment | 1 BN, 2 BU | 3 BU, 4 BN, 5 GNYE |
| Coding of | | A |
| Rated voltage | 30V$_{AC/DC}$ | 60V |
| Current load (at 40°C) | 4A | 4A |
| Insulation resistance | ≥10$^{8}$Ω | ≥10$^{8}$Ω |
| Ambient temperature product | -30°C...+90°C | -30°C...+90°C |
| Contact material | Metal, CuZn, silver-plated | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic, PA, BK | Plastic, TPU, BK |
| Grip body material | Plastic, TPU, BK, translucent | Plastic, TPU, BK |
| Coupling nut material | | Metal, CuZn, nickel-plated |
| Signal status-indicator | LED YE | |
| Protection circuit | Suppressor diode | |
| Fixing screw | Metal, CuZn, nickel-plated | |
| Housing style | BI | |
| Sealing (female) material | Plastic, TPU | |
| Standards | DIN EN 175301-803 | IEC 61076-2-101 |
| Degree of protection (mounted) | IP65, IP67, IP68 | IP65, IP67, IP68 |
| Mechanical life-cycle | >100 mating cycles | >100 mating cycles |
| Degree of pollution | 3 | 3 |

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.

| Cable web | 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 | 4.90 mm |
| Cable-jacket material | PVC |
| Jacket color | GY, similar RAL7040 |
| Wire cross-section | 4+1 x 0.34mm² |
| 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 | 27060312 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

## Accessories

Labels, Valve connector
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047109