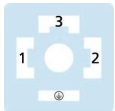
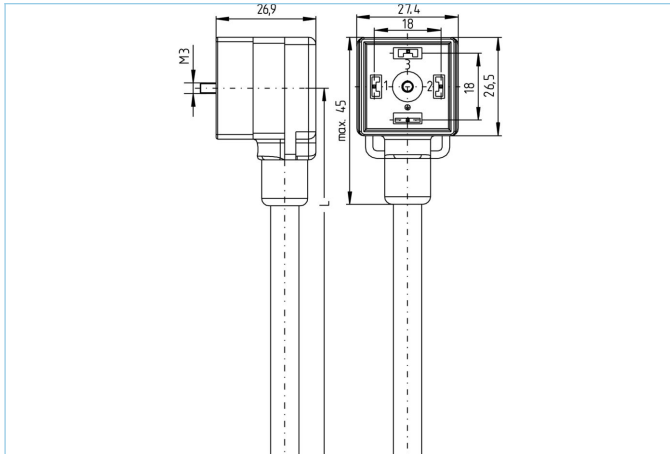


## Valve connector, housing style A, 3+PE



- 1 — BN
- 2 — BU
- 3 — BK
- ⊕ — GN/YE



### Product data

|                    |                   |
|--------------------|-------------------|
| Item description   | TA31-230.0-7/S370 |
| Item-No.           | 8818368           |
| Length             | 7m                |
| Customs tariff-No. | 85444290          |
| EAN                | 4047106345402     |

### Technical data

|                                |                               |
|--------------------------------|-------------------------------|
| Connector                      | female, angled, Valve A       |
| Number of pins                 | 3+PE                          |
| Pin assignment                 | 1 BN, 2 BU, 3 BK, PE: GN/YE   |
| Rated voltage                  | 230V <sub>AC/DC</sub>         |
| Current load per pin (at 40°C) | 10A                           |
| Insulation resistance          | ≥10 <sup>9</sup> Ω            |
| Ambient temperature product    | -30°C...+90°C                 |
| Contact material               | Metal, CuZn, silver-plated    |
| Contact-carrier material       | Plastic, PA, BK               |
| Grip body material             | Plastic, TPU, BK, translucent |
| Sealing (female) material      | Plastic, TPU                  |
| Protection circuit             | without                       |
| Fixing screw                   | Metal, CuZn, nickel-plated    |
| Housing style                  | A                             |
| Standards                      | DIN EN 175301-803             |
| Degree of protection (mounted) | IP65, IP67, IP68              |
| Mechanical life-cycle          | >100 mating cycles            |
| Degree of pollution            | 3                             |
| Style                          | angled                        |

## Cable web

PUR, UL, S370

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

|                                |                                                                                                                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket       | 6.4 +/- 0.2 mm                                                                                                                                                                                                                                                       |
| Cable-jacket material          | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                   | BK, similar RAL9005                                                                                                                                                                                                                                                  |
| Wire cross-section             | 4 x 0.75 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material       | PP                                                                                                                                                                                                                                                                   |
| Wire colors                    | BN, BK, BU, GNYE                                                                                                                                                                                                                                                     |
| Wire structure                 | 42 x 0,15 mm                                                                                                                                                                                                                                                         |
| Bending radius (fixed)         | 5 x Ø-cable                                                                                                                                                                                                                                                          |
| Bending radius (repeated)      | 10 x Ø-cable                                                                                                                                                                                                                                                         |
| Temperature range (repeated)   | -30°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (fixed)      | -40°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (drag chain) | -25°C...+60°C                                                                                                                                                                                                                                                        |
| Drag chain-application         | > 2 Mio. cycles                                                                                                                                                                                                                                                      |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                  |
| Torsion                        | +/-180°/m, > 500.000 cycles                                                                                                                                                                                                                                          |
| Rated voltage cable            | ≤300 V                                                                                                                                                                                                                                                               |
| Special features               | flame retardant, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant |

## Accessories

Labels, Valve connector

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047109>