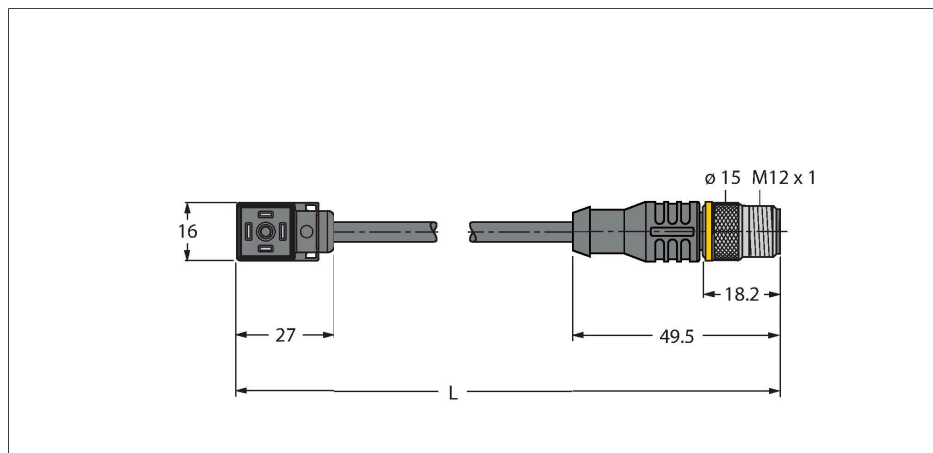


# VC9S22-T80E-2-RSC5.31T/TXL

## Valve connector CI type



### Features

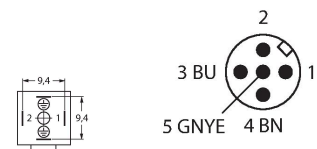


- 2-pin + PE, bridged
- Design according to the DIN EN 175301-803
- RoHS-compliant
- Protection class: IP65, IP67, IP68
- Protective component: Z-diode
- M12 male, straight, 2-pin + PE
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals and oils
- UV and ozone resistance
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Cable length: 2.0 m

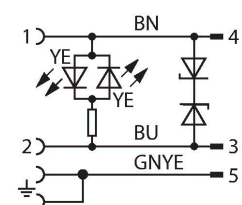
### Technical data

|  |                                 |
|--|---------------------------------|
| Type                                   | VC9S22-T80E-2-RSC5.31T/TXL      |
| ID                                     | 6606913                         |
| Connector A                            | Valve connector, Design CI      |
| Number of Pins                         | 2+PE, PE bridged                |
| Contacts                               | Metal, CuSn, Silver-plated      |
| Contact carriers                       | Plastic, PA, Black              |
| Connector body                         | Plastic, TPU, Black/Translucent |
| Protective component                   | Z diode                         |
| Seal                                   | Plastic, TPU                    |
| Display switch state                   | LED, Yellow/Yellow              |
| Mechanical lifespan                    | > 100 Mating cycles             |
| Pollution degree                       | 3                               |
| Protection class                       | IP65, IP67, IP68, (mounted)     |
| Connector B                            | Male, Straight                  |
| Cable diameter                         | Ø 5.2 mm ±0.20                  |
| Cable length                           | 2 m                             |
| Cable jacket                           | PUR, Black                      |
| Core insulation                        | PP                              |
| Core cross-section                     | 3 x 0.75 mm <sup>2</sup>        |
| Arrangement of strands                 | 42 x 0.1 mm                     |
| Core colors                            | BN, BU, GNYE                    |
| <b>Electrical properties at +20 °C</b> |                                 |
| Rated voltage                          | 24 V                            |
| Test voltage                           | 2000 V                          |
| Current                                | 4 A                             |
| Insulation resistance                  | > 1 MΩ/km                       |
| Insulation resistance                  | ≥ 10 <sup>8</sup> Ω             |

### Contact assignment



### Circuit Diagram



## Technical data

forward resistance max. 57  $\Omega$ /km

### Mechanical and chemical properties

Max. tensile strength (static)  $\leq 50 \text{ N/mm}^2$

Max. tensile strength (dynamic)  $\leq 20 \text{ N/mm}^2$

Bending radius (stationary installation)  $\geq 5 \times \varnothing$

Bending radius (flexible use)  $\geq 10 \times \varnothing$

Bending cycles  $\geq 3$  million

Admissible acceleration max. 5  $\text{m/s}^2$

Admissible travel path, horizontal 5 m (at 5  $\text{m/s}^2$ )

Admissible travel path, vertical 2 m (at 5  $\text{m/s}^2$ )

Admissible traversing speed 3.3  $\text{m/s}$

Torsional stress  $\pm 180^\circ/\text{m}$

Ambient temperature range (stationary)  $-40^\circ\text{C} \dots +80^\circ\text{C}$

Ambient temperature range (In motion)  $-30^\circ\text{C} \dots +90^\circ\text{C}$

Ambient temperature during drag chain operation  $-25^\circ\text{C} \dots +60^\circ\text{C}$

Mounting screw Brass, CuZn, nickel-plated