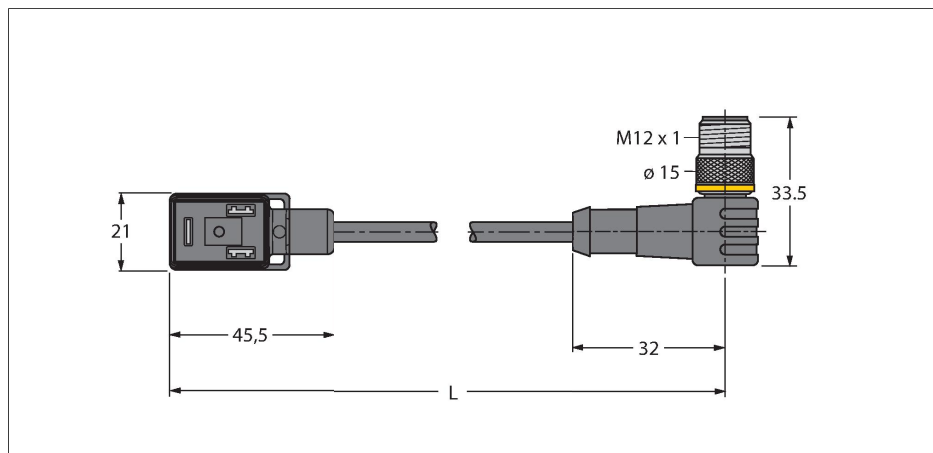


# VIS02-S80E-0.3-WSC5.31T/TXL

## Valve connector BI type – Extension Cable



### Features

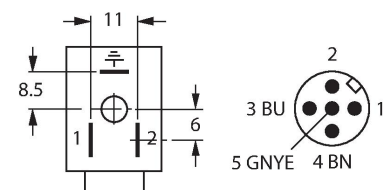


- 2-pin + PE
- Design according to the DIN EN 175301-803
- RoHS-compliant
- Protection class: IP65, IP67, IP68
- Protective component: Transil diode
- M12 male, angled, 2-pin + PE
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals and oils
- UV and ozone resistance
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Cable length: 0.3 m

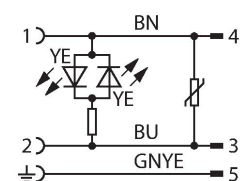
### Technical data

|                                 |                                 |
|---------------------------------|---------------------------------|
| Type                            | VIS02-S80E-0.3-WSC5.31T/TXL     |
| ID                              | 6606825                         |
| Connector A                     | Valve connector, Design BI      |
| Number of pins                  | 2+PE                            |
| Contacts                        | Metal, CuSn, Silver-plated      |
| Contact carriers                | Plastic, PA, Black              |
| Connector body                  | Plastic, TPU, Black/Translucent |
| Protective component            | Transil 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                    | 0.3 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                    |
| Electrical properties at +20 °C |                                 |
| Rated voltage                   | 24 V                            |
| Test voltage                    | 2000 V                          |
| Current                         | 4 A                             |
| Insulation resistance           | > 1 MΩ/km                       |
| Insulation resistance           | ≥ 10 <sup>6</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 m/s

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

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

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

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

Mounting screw Brass, CuZn, nickel-plated