

# Connection Cable

M12 × 1; 5-pin

## ZC4V001

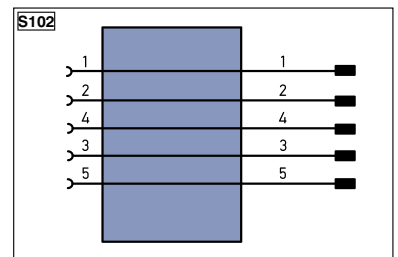
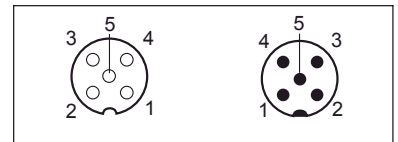
Part Number



### Technical Data

| Mechanical Data          |                      |
|--------------------------|----------------------|
| Connection 1             | Socket, straight     |
| Connection mode 1        | M12 × 1, 5-pin       |
| Connection 2             | Plug, straight       |
| Connection mode 2        | M12 × 1, 5-pin       |
| Torque                   | M12: 0,6 Nm          |
| Cable Length             | 5 m                  |
| Cable Diameter           | 5,2 mm               |
| Wire cross-section       | 0,34 mm <sup>2</sup> |
| Degree of Protection     | IP65/IP67            |
| Temperature Range        | -5...80 °C           |
| Cable Jacket Material    | PVC                  |
| Material Wire Insulation | PVC                  |
| Material Sleeve Nut      | CuZn, nickel-plated  |
| Packaging unit           | 1 Piece              |
| Connection Diagram No.   | <b>S102</b>          |
| Connection Equipment No. | <b>35</b>            |

- Plug M12 × 1, straight
- Socket M12 × 1, straight



| Legend              |  |        |                                |                                      |                     |
|---------------------|--|--------|--------------------------------|--------------------------------------|---------------------|
| +                   | Supply Voltage +                           | PT     | Platinum measuring resistor    | EN <sub>A</sub> rs42                 | Encoder A/A (TTL)   |
| -                   | Supply Voltage 0 V                         | nc     | not connected                  | EN <sub>B</sub> rs42z                | Encoder B/B (TTL)   |
| ~                   | Supply Voltage (AC Voltage)                | U      | Test Input                     | EN <sub>A</sub>                      | Encoder A           |
| A                   | Switching Output (NO)                      | Ū      | Test Input inverted            | EN <sub>B</sub>                      | Encoder B           |
| Ā                   | Switching Output (NC)                      | W      | Trigger Input                  | AMIN                                 | Digital output MIN  |
| V                   | Contamination/Error Output (NO)            | W-     | Ground for the Trigger Input   | AMAX                                 | Digital output MAX  |
| Ṽ                   | Contamination/Error Output (NC)            | O      | Analog Output                  | AOK                                  | Digital output OK   |
| E                   | Input (analog or digital)                  | O-     | Ground for the Analog Output   | SY in                                | Synchronization In  |
| T                   | Teach Input                                | BZ     | Block Discharge                | SY OUT                               | Synchronization OUT |
| Z                   | Time Delay (activation)                    | AW     | Valve Output                   | DiT                                  | Brightness output   |
| S                   | Shielding                                  | a      | Valve Control Output +         | M                                    | Maintenance         |
| RxD                 | Interface Receive Path                     | b      | Valve Control Output 0 V       | rsv                                  | reserved            |
| TxD                 | Interface Send Path                        | SY     | Synchronization                | Wire Colors according to DIN IEC 757 |                     |
| RDY                 | Ready                                      | SY-    | Ground for the Synchronization | BK                                   | Black               |
| GND                 | Ground                                     | E+     | Receiver-Line                  | BN                                   | Brown               |
| CL                  | Clock                                      | S+     | Emitter-Line                   | RD                                   | Red                 |
| E/A                 | Output/Input programmable                  | ≠      | Grounding                      | OG                                   | Orange              |
| IO-Link             | IO-Link                                    | SnR    | Switching Distance Reduction   | YE                                   | Yellow              |
| PoE                 | Power over Ethernet                        | Rx +/- | Ethernet Receive Path          | GN                                   | Green               |
| IN                  | Safety Input                               | Tx +/- | Ethernet Send Path             | BU                                   | Blue                |
| QSSD                | Safety Output                              | Bus    | Interfaces-Bus A(+)/B(-)       | VT                                   | Violet              |
| Signal              | Signal Output                              | La     | Emitted Light disengageable    | GY                                   | Grey                |
| BLD+/-              | Ethernet Gigabit bidirect. data line (A-D) | Mag    | Magnet activation              | WH                                   | White               |
| EN <sub>rs42z</sub> | Encoder 0-pulse 0-0 (TTL)                  | RES    | Input confirmation             | PK                                   | Pink                |
|                     |  | EDM    | Contactor Monitoring           | GNYE                                 | Green/Yellow        |

Specifications are subject to change without notice