

# Connection Line

M8 × 1; 3-pin

## ZCGL001

Part Number



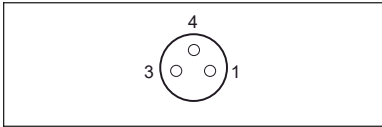
### Technical Data

| Electrical Data                        |                                |
|----------------------------------------|--------------------------------|
| Supply Voltage                         | ≤ 60 V DC                      |
| Mechanical Data                        |                                |
| Connection 1                           | Socket, straight               |
| Connection mode 1                      | M8 × 1, 3-pin                  |
| Connection 2                           | stripped                       |
| Torque                                 | M8: 0,4 Nm                     |
| Cable Length                           | 24,8 m                         |
| Outer diameter (d)                     | 2,9 mm                         |
| Wire cross-section                     | 0,5 mm <sup>2</sup>            |
| Degree of Protection                   | IP65/IP67                      |
| Temperature range (fixed installation) | -40...80 °C                    |
| Temperature range (moving application) | -25...80 °C                    |
| Cable Jacket Material                  | PUR                            |
| Material Wire Insulation               | PP                             |
| Material Sleeve Nut                    | Zinc diecasting, nickel-plated |
| Screened                               | yes                            |
| Packaging unit                         | 1 Piece                        |
| Connection Diagram No.                 | <b>S99</b>                     |

### ● PUR, straight

All dimensions in mm (1 mm = 0.03937 Inch)

\* Per terminal



| Legend                                                                              |                                            |                     |                                |                                        |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------|---------------------|--------------------------------|----------------------------------------|---------------------|
| +                                                                                   | Supply Voltage +                           | nc                  | Not connected                  | ENB <sub>RS422</sub>                   | Encoder B/Ĕ (TTL)   |
| -                                                                                   | Supply Voltage 0 V                         | U                   | Test Input                     | ENA                                    | Encoder A           |
| ~                                                                                   | Supply Voltage (AC Voltage)                | Ů                   | Test Input inverted            | ENb                                    | Encoder B           |
| A                                                                                   | Switching Output (NO)                      | W                   | Trigger Input                  | AMIN                                   | Digital output MIN  |
| Ā                                                                                   | Switching Output (NC)                      | W-                  | Ground for the Trigger Input   | AMAX                                   | Digital output MAX  |
| V                                                                                   | Contamination/Error Output (NO)            | O                   | Analog Output                  | AOK                                    | Digital output OK   |
| Ų                                                                                   | Contamination/Error Output (NC)            | O-                  | Ground for the Analog Output   | SY In                                  | Synchronization In  |
| E                                                                                   | Input (analog or digital)                  | BZ                  | Block Discharge                | SY OUT                                 | Synchronization OUT |
| T                                                                                   | Teach Input                                | AMV                 | Valve Output                   | QLT                                    | Brightness output   |
| Z                                                                                   | Time Delay (activation)                    | a                   | Valve Control Output +         | M                                      | Maintenance         |
| S                                                                                   | Shielding                                  | b                   | Valve Control Output 0 V       | rsv                                    | Reserved            |
| RxD                                                                                 | Interface Receive Path                     | SY                  | Synchronization                | Wire Colors according to DIN IEC 60757 |                     |
| TxD                                                                                 | Interface Send Path                        | SY-                 | Ground for the Synchronization | BK                                     | Black               |
| RDY                                                                                 | Ready                                      | E+                  | Receiver-Line                  | BN                                     | Brown               |
| GND                                                                                 | Ground                                     | S+                  | Emitter-Line                   | RD                                     | Red                 |
| CL                                                                                  | Clock                                      | ±                   | Grounding                      | OG                                     | Orange              |
| E/A                                                                                 | Output/Input programmable                  | SnR                 | Switching Distance Reduction   | YE                                     | Yellow              |
|  | IO-Link                                    | Rx+/-               | Ethernet Receive Path          | GN                                     | Green               |
| PoE                                                                                 | Power over Ethernet                        | Tx+/-               | Ethernet Send Path             | BU                                     | Blue                |
| IN                                                                                  | Safety Input                               | Bus                 | Interfaces-Bus A(+)/B(-)       | VT                                     | Violet              |
| OSSD                                                                                | Safety Output                              | La                  | Emitted Light disengageable    | GY                                     | Grey                |
| Signal                                                                              | Signal Output                              | Mag                 | Magnet activation              | WH                                     | White               |
| BI_D+/-                                                                             | Ethernet Gigabit bidirect. data line (A-D) | RES                 | Input confirmation             | PK                                     | Pink                |
| EN <sub>RS422</sub>                                                                 | Encoder 0-pulse 0/Ĕ (TTL)                  | EDM                 | Contact Monitoring             | GNYE                                   | Green/Yellow        |
| PT                                                                                  | Platinum measuring resistor                | EN <sub>RS422</sub> | Encoder A/Ĕ (TTL)              |                                        |                     |