

# Connection Line

M8 × 1; 4-pin

## S61-10MPUR

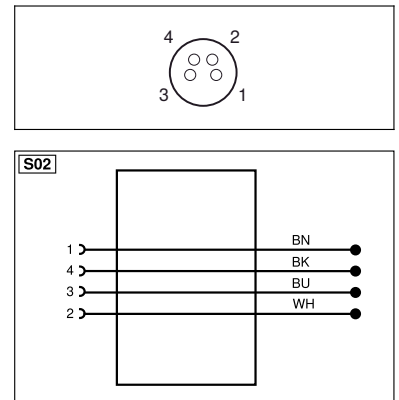
Part Number



### Technical Data

| Electrical Data                                    |                       |
|----------------------------------------------------|-----------------------|
| Supply Voltage                                     | ≤ 50 V AC/DC          |
| Mechanical Data                                    |                       |
| Connection 1                                       | Socket, straight      |
| Connection mode 1                                  | M8 × 1, 4-pin         |
| Connection 2                                       | stripped              |
| Torque                                             | M8: 0,4 Nm            |
| Cable Length                                       | 10 m                  |
| Outer diameter (d)                                 | 4,7 mm                |
| Wire cross-section                                 | 0,25 mm <sup>2</sup>  |
| Degree of Protection                               | IP67                  |
| Temperature range (fixed installation)             | -25...80 °C           |
| Temperature range (moving application)             | -25...80 °C           |
| Cable Jacket Material                              | PUR                   |
| Material Wire Insulation                           | PP                    |
| Material Sleeve Nut                                | CuZn, nickel-plated   |
| Halogen-free                                       | yes                   |
| Drag Chain Suitable                                | yes                   |
| Bending radius (fixed installation)                | 5 × d                 |
| Bending radius (used in motion)                    | 10 × d                |
| Travel speed (with 5 m horizontal travel distance) | ≤ 3 m/s               |
| Acceleration                                       | ≤ 10 m/s <sup>2</sup> |
| Bending cycles                                     | ≤ 10000000            |
| Packaging unit                                     | 1 Piece               |
| Connection Diagram No.                             | <b>S02</b>            |
| Connection Equipment No.                           | <b>7</b>              |

- Halogen free, drag chain suitability
- PUR, straight



\* Per terminal



| Legend                                                                              |                                            |         |                                |                                        |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------|---------|--------------------------------|----------------------------------------|---------------------|
| +                                                                                   | Supply Voltage +                           | nc      | Not connected                  | ENB <sup>RS422</sup>                   | 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 |                                        |                     |
| RDY                                                                                 | Ready                                      | E+      | Receiver-Line                  | BK                                     | Black               |
| GND                                                                                 | Ground                                     | S+      | Emitter-Line                   | BN                                     | Brown               |
| CL                                                                                  | Clock                                      | ±       | Grounding                      | RD                                     | Red                 |
| E/A                                                                                 | Output/Input programmable                  | SnR     | Switching Distance Reduction   | OG                                     | Orange              |
|  | IO-Link                                    | Rx+/-   | Ethernet Receive Path          | YE                                     | Yellow              |
| PoE                                                                                 | Power over Ethernet                        | Tx+/-   | Ethernet Send Path             | GN                                     | Green               |
| IN                                                                                  | Safety Input                               | Bus     | Interfaces-Bus A(+)/B(-)       | BU                                     | Blue                |
| OSSD                                                                                | Safety Output                              | La      | Emitted Light disengageable    | VT                                     | Violet              |
| Bl_D+/-                                                                             | Ethernet Gigabit bidirect. data line (A-D) | Mag     | Magnet activation              | GY                                     | Grey                |
| ENo RS422                                                                           | Encoder 0-pulse 0/Ĕ (TTL)                  | RES     | Input confirmation             | WH                                     | White               |
| PT                                                                                  | Platinum measuring resistor                | EDM     | Contact Monitoring             | PK                                     | Pink                |
|                                                                                     |                                            | ENAS422 | Encoder A/Ā (TTL)              | GNYE                                   | Green/Yellow        |