

# Connection Line

M12 × 1; 4-pin

## S27-5MPUR

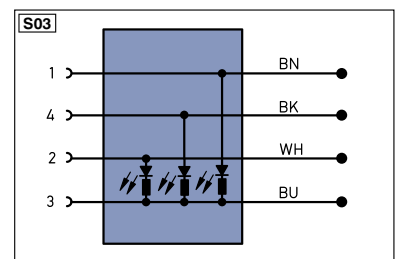
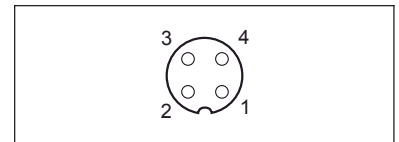
Part Number



### Technical Data

| Mechanical Data                                    |                      |
|--|----------------------|
| Connection 1                                       | Socket, angled       |
| Connection mode 1                                  | M12 × 1, 4-pin       |
| Connection 2                                       | stripped             |
| Torque   | M12: 0,6 Nm          |
| Cable Length                                       | 5 m                  |
| Cable Diameter                                     | 4,7 mm               |
| Wire cross-section                                 | 0,34 mm <sup>2</sup> |
| Display  | LED                  |
| Degree of Protection                               | IP67                 |
| Temperature Range                                  | -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) | ≤ 3,3 m/s            |
| Acceleration                                       | ≤ 5 m/s <sup>2</sup> |
| Bending cycles                                     | ≤ 5000000            |
| Packaging unit                                     | 1 Piece              |
| Connection Diagram No.                             | <b>S03</b>           |
| Connection Equipment No.                           | <b>2</b>             |

- Halogen free, drag chain suitability
- PUR, with LED, angled



| Legend                |  |        |                                |                                      |                     |
|-----------------------|--|--------|--------------------------------|--------------------------------------|---------------------|
| +                     | Supply Voltage +                           | PT     | Platinum measuring resistor    | EN <sub>A</sub> rs42z                | 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)                    | AWV    | 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                |
| BL-D +/-              | Ethernet Gigabit bidirect. data line (A-D) | Mag    | Magnet activation              | WH                                   | White               |
| EN <sub>0</sub> rs42z | Encoder 0-pulse 0-0 (TTL)                  | RES    | Input confirmation             | PK                                   | Pink                |
|                       |  | EDM    | Contactor Monitoring           | GNYE                                 | Green/Yellow        |

Specifications are subject to change without notice