

# Connection Line

M12 × 1; 4-pin

## S27-5M

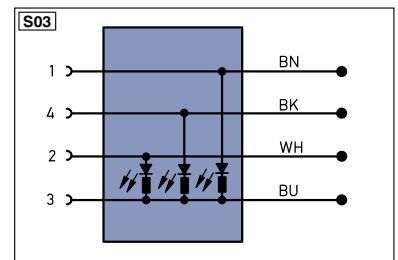
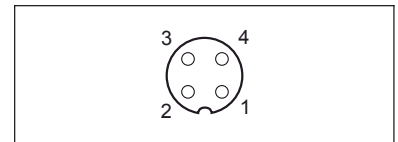
Part Number



### 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           | 5 mm                 |
| Wire cross-section       | 0,34 mm <sup>2</sup> |
| Display                  | LED                  |
| Degree of Protection     | IP67                 |
| Temperature Range        | -5...70 °C           |
| Cable Jacket Material    | PVC                  |
| Material Wire Insulation | PVC                  |
| Material Sleeve Nut      | CuZn, nickel-plated  |
| Packaging unit           | 1 Piece              |
| Connection Diagram No.   | <b>S03</b>           |
| Connection Equipment No. | <b>2</b>             |

- With LED, angled



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

Specifications are subject to change without notice