

# Connection Line

M12 × 1; 4-pin

## S29-10M

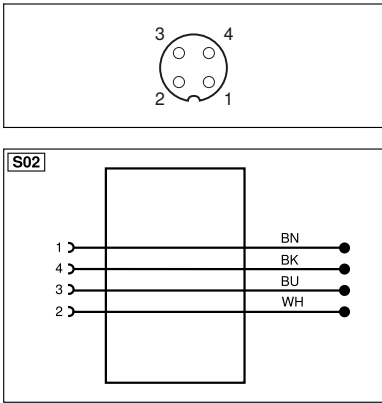
Part Number



### Technical Data

| Electrical Data                        |                      |
|----------------------------------------|----------------------|
| Supply Voltage                         | ≤ 250 V AC/DC        |
| Mechanical Data                        |                      |
| Connection 1                           | Socket, angled       |
| Connection mode 1                      | M12 × 1, 4-pin       |
| Connection 2                           | stripped             |
| Torque                                 | M12: 0,6 Nm          |
| Cable Length                           | 10 m                 |
| Outer diameter (d)                     | 5 mm                 |
| Wire cross-section                     | 0,34 mm <sup>2</sup> |
| Degree of Protection                   | IP67                 |
| Temperature range (fixed installation) | -30...80 °C          |
| Temperature range (moving application) | -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>S02</b>           |
| Connection Equipment No.               | <b>2</b>             |

### ● Angled



\* Per terminal



| Legend                                                                              |                                            |          |                                |                                        |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------|----------|--------------------------------|----------------------------------------|---------------------|
| +                                                                                   | Supply Voltage +                           | nc       | Not connected                  | ENBRS422                               | Encoder B/B (TTL)   |
| -                                                                                   | Supply Voltage 0 V                         | U        | Test Input                     | ENA                                    | Encoder A           |
| ~                                                                                   | Supply Voltage (AC Voltage)                | Ü        | Test Input inverted            | ENb                                    | Encoder B           |
| A                                                                                   | Switching Output (NO)                      | W        | Trigger Input                  | AMIN                                   | Digital output MIN  |
| Ä                                                                                   | 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   |
| Ÿ                                                                                   | 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                |
| Bl_D+/-                                                                             | Ethernet Gigabit bidirect. data line (A-D) | Mag      | Magnet activation              | WH                                     | White               |
| ENo RS422                                                                           | Encoder 0-pulse 0/0 (TTL)                  | RES      | Input confirmation             | PK                                     | Pink                |
| PT                                                                                  | Platinum measuring resistor                | EDM      | Contact Monitoring             | GNYE                                   | Green/Yellow        |
|                                                                                     |                                            | ENARS422 | Encoder A/A (TTL)              |                                        |                     |