

# Connection Line

M12 × 1; 8-pin

## S88-2MPUR

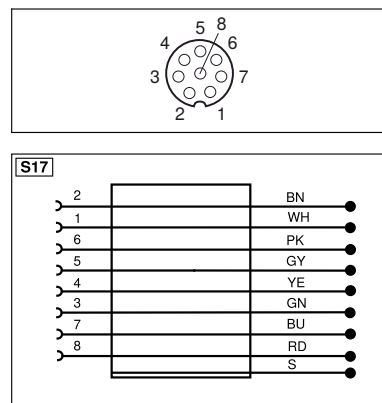
Part Number



### Technical Data

| Electrical Data                                    |                      |
|----------------------------------------------------|----------------------|
| Supply Voltage                                     | ≤ 36 V AC/DC         |
| Mechanical Data                                    |                      |
| Connection 1                                       | Socket, straight     |
| Connection mode 1                                  | M12 × 1, 8-pin       |
| Connection 2                                       | stripped             |
| Torque                                             | M12: 0,5 Nm          |
| Cable Length                                       | 2 m                  |
| Outer diameter (d)                                 | 6,6 mm               |
| Wire cross-section                                 | 0,25 mm <sup>2</sup> |
| Degree of Protection                               | IP67                 |
| Temperature Range                                  | -25...80 °C          |
| Cable Jacket Material                              | PUR                  |
| Material Wire Insulation                           | PP                   |
| Material Sleeve Nut                                | CuZn, nickel-plated  |
| Screened                                           | yes                  |
| 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                                     | > 2000000            |
| Packaging unit                                     | 1 Piece              |
| Connection Diagram No.                             | <b>S17</b>           |
| Connection Equipment No.                           | <b>88</b>            |

- Halogen free, drag chain suitability
- PUR, straight
- Screened



| 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   |
| Ṽ         | 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   | 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               |
| Bl_D+/-   | Ethernet Gigabit bidirect. data line (A-D) | RES      | Input confirmation             | PK                                     | Pink                |
| ENo RS422 | Encoder 0-pulse 0/0 (TTL)                  | EDM      | Contact monitoring             | GNYE                                   | Green/Yellow        |
| PT        | Platinum measuring resistor                | ENARS422 | Encoder A/A (TTL)              |                                        |                     |