

# Connection Line

M12 × 1; 12-pin

## ZAS13R201

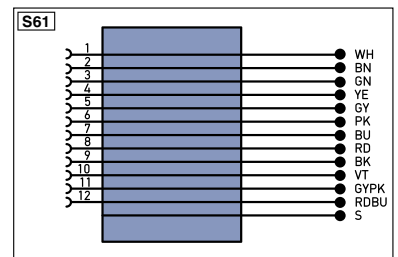
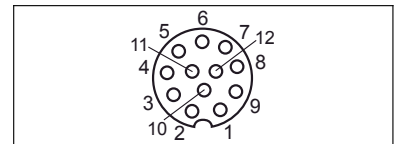
Part Number



### Technical Data

| Mechanical Data          |                      |
|--------------------------|----------------------|
| Connection 1             | Socket, straight     |
| Connection mode 1        | M12 × 1, 12-pin      |
| Connection 2             | stripped             |
| Cable Length             | 2 m                  |
| Cable Diameter           | 6,4 mm               |
| Wire cross-section       | 0,14 mm <sup>2</sup> |
| Degree of Protection     | IP67                 |
| Temperature Range        | -25...90 °C          |
| Cable Jacket Material    | PUR                  |
| Material Wire Insulation | PP                   |
| Material Sleeve Nut      | CuZn, nickel-plated  |
| Screened                 | yes                  |
| Halogen-free             | yes                  |
| Drag Chain Suitable      | yes                  |
| Packaging unit           | 1 Piece              |
| Connection Diagram No.   | <b>S61</b>           |
| Connection Equipment No. | <b>13</b>            |

- Halogen free, drag chain suitability
- PUR, straight



| Legend                           |  |       |                                |                                      |                     |
|----------------------------------|--|-------|--------------------------------|--------------------------------------|---------------------|
| +                                | Supply Voltage +                           | PT    | Platinum measuring resistor    | EN <sub>A</sub> S <sub>AAZ</sub>     | Encoder A/A (TTL)   |
| -                                | Supply Voltage 0 V                         | nc    | not connected                  | EN <sub>B</sub> S <sub>AAZ</sub>     | 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)                    | AW    | 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                                    | 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> S <sub>AAZ</sub> | Encoder 0-pulse 0-0 (TTL)                  | RES   | Input confirmation             | PK                                   | Pink                |
|                                  |  | EDM   | Contactor Monitoring           | GNYE                                 | Green/Yellow        |

Specifications are subject to change without notice