

Connection Line

M12 × 1; 8-pin

S88-20MPUR

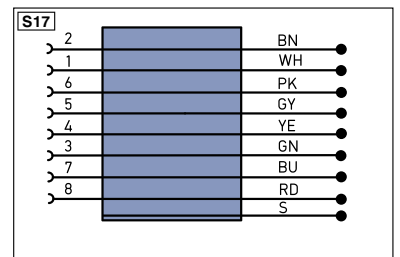
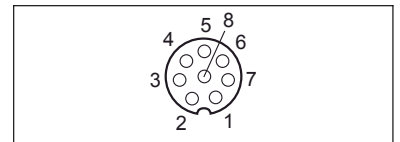
Part Number



Technical Data

| Mechanical Data | |
|--|----------------------|
| Connection 1 | Socket, straight |
| Connection mode 1 | M12 × 1, 8-pin |
| Connection 2 | stripped |
| Torque | M12: 0,5 Nm |
| Cable Length | 20 m |
| Diameter Cable | 6,6 mm |
| Wire cross-section | 0,25 mm ² |
| Degree of Protection | IP67 |
| Temperature Range | -25...80 °C |
| Material Cable Jacket | PUR |
| Material Wire Isolation | PP |
| Material Cap 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 ² |
| Bending cycles | > 2000000 |
| Packaging unit | 1 Piece |
| Connection Diagram No. | S17 |
| Connection Technology No. | 88 |

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



| Legend | | | | | |
|---------|--|-------|------------------------------|--------|---------------------|
| + | Supply Voltage + | PT | Platinum measuring resistor | ENa | Encoder A |
| - | Supply Voltage 0 V | nc | not connected | ENb | Encoder B |
| ~ | Supply Voltage (AC Voltage) | U | Test Input | AMIN | Digital output MIN |
| A | Switching Output (NO) | Ü | Test Input inverted | AMAX | Digital output MAX |
| Ä | Switching Output (NC) | W | Trigger Input | AOK | Digital output OK |
| V | Contamination/Error Output (NO) | Q | Analog Output | SY in | Synchronization In |
| ∇ | Contamination/Error Output (NC) | O- | Ground for the Analog Output | SY OUT | Synchronization OUT |
| E | Input (analog or digital) | BZ | Block Discharge | 0UT | Brightness output |
| T | Teach Input | AWV | Valve Output | M | Maintenance |
| Z | Time Delay (activation) | a | Valve Control Output + | | |
| S | Shielding | b | Valve Control Output 0 V | | |
| RxD | Interface Receive Path | SY | Synchronization | | |
| TxD | Interface Send Path | E+ | Receiver-Line | | |
| RDY | Ready | S+ | Emitter-Line | | |
| GND | Ground | ⊕ | Grounding | | |
| CL | Clock | SrR | Switching Distance Reduction | | |
| E/A | Output/Input programmable | Rx+/- | Ethernet Receive Path | | |
| IO-Link | IO-Link | Tx+/- | Ethernet Send Path | | |
| PoE | Power over Ethernet | BuS | Interfaces-Bus A(+)/B(-) | | |
| IN | Safety Input | La | Emitted Light disengageable | | |
| OSSD | Safety Output | Mag | Magnet activation | | |
| Signal | Signal Output | RES | Input confirmation | | |
| BI-D+/- | Ethernet Gigabit bidirect. data line (A-D) | EDM | Contactors Monitoring | | |
| ENa | Encoder 0-pulse 0-0 (TTL) | ENa | Encoder A/A (TTL) | | |
| | | ENb | Encoder B/B (TTL) | | |

| 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