

# Connection Cable

M12 × 1; 8-pin, X-coding - RJ45; 8-pin

## ZC1V002

Part Number



### Technical Data

#### Electrical Data

|                |              |
|----------------|--------------|
| Supply Voltage | ≤ 50 V AC/DC |
|----------------|--------------|

#### Mechanical Data

|                                        |                                |
|----------------------------------------|--------------------------------|
| Connection 1                           | Plug, straight                 |
| Connection mode 1                      | M12 × 1, 8-pin, X-cod.         |
| Connection 2                           | Plug, straight                 |
| Connection mode 2                      | RJ45, 8-pin                    |
| Torque                                 | M12: 0,6 Nm                    |
| Cable Length                           | 10 m                           |
| Outer diameter (d)                     | 6,4 mm                         |
| Wire cross-section                     | 0,14 mm <sup>2</sup>           |
| Degree of Protection                   | IP67                           |
| Temperature range (fixed installation) | -30...80 °C                    |
| Temperature range (moving application) | -10...50 °C                    |
| Cable Jacket Material                  | PUR                            |
| Material Wire Insulation               | PE                             |
| Material Sleeve Nut                    | Zinc diecasting, nickel-plated |
| Category                               | CAT 6A                         |
| Screened                               | yes                            |
| Halogen-free                           | yes                            |
| Drag Chain Suitable                    | no                             |
| Packaging unit                         | 1 Piece                        |

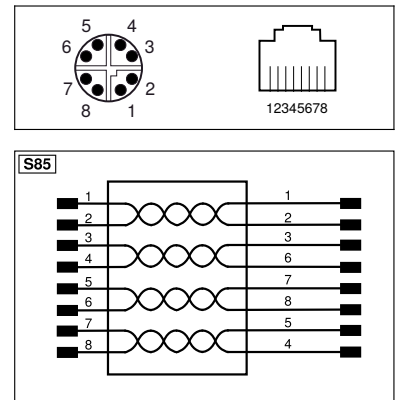
Connection Diagram No.

**S85**

Connection Equipment No.

**50**

- PUR, straight
- Screened



\* Per terminal

| Legend              |                                            |                     |                                |                                        |                     |
|---------------------|--------------------------------------------|---------------------|--------------------------------|----------------------------------------|---------------------|
| +                   | Supply Voltage +                           | nc                  | Not connected                  | ENB <sup>RS422</sup>                   | Encoder B/Ĕ (TTL)   |
| -                   | Supply Voltage 0 V                         | U                   | Test Input                     | ENa                                    | Encoder A           |
| ~                   | Supply Voltage (AC Voltage)                | Ů                   | Test Input inverted            | ENb                                    | Encoder B           |
| A                   | Switching Output (NO)                      | W                   | Trigger Input                  | AMIN                                   | Digital output MIN  |
| Ā                   | 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   |
| Ų                   | 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                |
| Signal              | Signal Output                              | Mag                 | Magnet activation              | WH                                     | White               |
| Bl_D+/-             | Ethernet Gigabit bidirect. data line (A-D) | RES                 | Input confirmation             | PK                                     | Pink                |
| EN <sup>RS422</sup> | Encoder 0-pulse 0/Ĕ (TTL)                  | EDM                 | Contact Monitoring             | GNYE                                   | Green/Yellow        |
| PT                  | Platinum measuring resistor                | EN <sup>RS422</sup> | Encoder A/Ā (TTL)              |                                        |                     |

Specifications are subject to change without notice