

# Connection Cable

## M12 × 1; Y-Distributor

# ZCBV001

Part Number



## Technical Data

### Mechanical Data

Connection 1	Plug, straight
Connection mode 1	M12 × 1, 4-pin
Connection 2	Socket, straight
Connection mode 2	M12 × 1, 4-pin
Torque	M12: 0,6 Nm
Cable Length	0,3 m
Diameter Cable	4,3 mm
Wire cross-section	0,34 mm <sup>2</sup>
Temperature Range	-25...80 °C
Material Cable Jacket	PUR
Material Wire Isolation	PP
Packaging unit	1 Piece

Connection Diagram No.

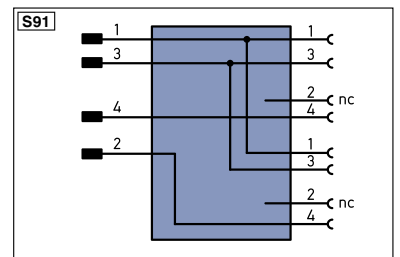
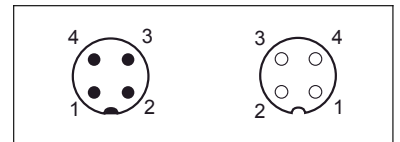
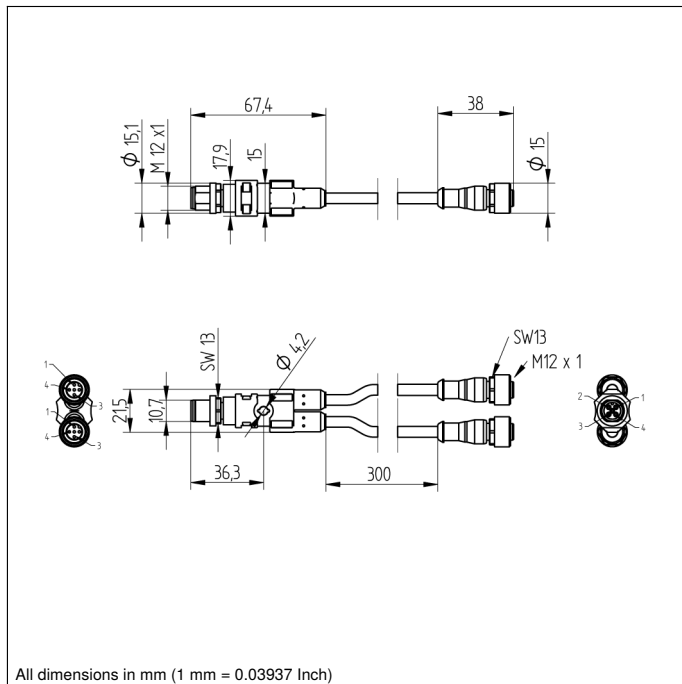
**S91**

Connection Technology No.

**2**

**2s**

### ● PUR, straight



### Legend

<b>+</b> Supply Voltage +	<b>nc</b> not connected	<b>EN<sub>A</sub></b> Encoder A
<b>-</b> Supply Voltage 0 V	<b>U</b> Test Input	<b>EN<sub>B</sub></b> Encoder B
<b>~</b> Supply Voltage (AC Voltage)	<b>Ü</b> Test Input inverted	<b>AM<sub>IN</sub></b> Digital output MIN
<b>A</b> Switching Output (NO)	<b>W</b> Trigger Input	<b>AM<sub>AX</sub></b> Digital output MAX
<b>Ā</b> Switching Output (NC)	<b>Q</b> Analog Output	<b>AO<sub>K</sub></b> Digital output OK
<b>V</b> Contamination/Error Output (NO)	<b>O-</b> Ground for the Analog Output	<b>SY<sub>IN</sub></b> Synchronization In
<b>∇</b> Contamination/Error Output (NC)	<b>BZ</b> Block Discharge	<b>SY<sub>OUT</sub></b> Synchronization OUT
<b>E</b> Input (analog or digital)	<b>AWV</b> Valve Output	<b>0<sub>LT</sub></b> Brightness output
<b>T</b> Teach Input	<b>a</b> Valve Control Output +	<b>M</b> Maintenance
<b>Z</b> Time Delay (activation)	<b>b</b> Valve Control Output 0 V	
<b>S</b> Shielding	<b>SY</b> Synchronization	
<b>RxD</b> Interface Receive Path	<b>E+</b> Receiver-Line	
<b>TxD</b> Interface Send Path	<b>S+</b> Emitter-Line	
<b>RDY</b> Ready	<b>⊕</b> Grounding	
<b>GND</b> Ground	<b>S<sub>n</sub>R</b> Switching Distance Reduction	
<b>CL</b> Clock	<b>Rx+/-</b> Ethernet Receive Path	
<b>E/A</b> Output/Input programmable	<b>Tx+/-</b> Ethernet Send Path	
<b>IO-Link</b>	<b>Bus</b> Interfaces-Bus A(+)/B(-)	
<b>PoE</b> Power over Ethernet	<b>La</b> Emitted Light disengageable	
<b>IN</b> Safety Input	<b>Mag</b> Magnet activation	
<b>OSSD</b> Safety Output	<b>RES</b> Input confirmation	
<b>Signal</b> Signal Output	<b>EDM</b> Contactor Monitoring	
<b>BI-D<sub>+</sub></b> Ethernet Gigabit bidirect. data line (A-D)	<b>EN<sub>A</sub>0542</b> Encoder A/Ā (TTL)	
<b>EN<sub>B</sub>0542</b> Encoder 0-pulse 0-0̄ (TTL)	<b>EN<sub>B</sub>0542</b> Encoder B/B̄ (TTL)	

### Wire Colors according to DIN IEC 757

<b>BK</b> Black
<b>BN</b> Brown
<b>RD</b> Red
<b>OG</b> Orange
<b>YE</b> Yellow
<b>GN</b> Green
<b>BU</b> Blue
<b>VT</b> Violet
<b>GY</b> Grey
<b>WH</b> White
<b>PK</b> Pink
<b>GNYE</b> Green/Yellow

Specifications are subject to change without notice