

# Connection Line

M8 × 1; 3-pin

## S56-5M

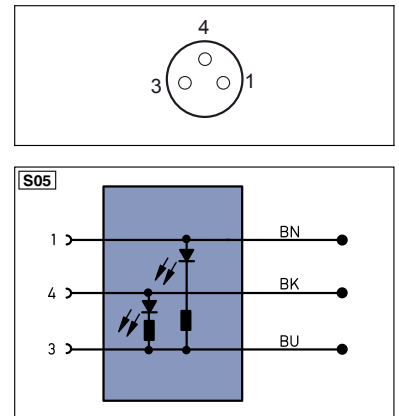
Part Number



### Technical Data

Mechanical Data	
Cable Length	5 m
Diameter Cable	4,4 mm
Wire cross-section	0,25 mm <sup>2</sup>
Connection Type	Socket
Torque	0,4 Nm
Version	angled
Degree of Protection	IP67
Temperature Range	-5...80 °C
Material Cable Jacket	PVC
Material Wire Isolation	PVC
Material Cap Nut	CuZn, nickel-plated
Display	LED
Packaging unit	1 Piece
Connection Diagram No.	<b>S05</b>
Connection Technology No.	<b>8</b>

- With LED, angled



Legend		
+	Supply Voltage +	<b>PT</b> Platinum measuring resistor
-	Supply Voltage 0 V	<b>nc</b> not connected
~	Supply Voltage (AC Voltage)	<b>U</b> Test Input
~	Switching Output (NO)	<b>Ū</b> Test Input inverted
A	Switching Output (NC)	<b>W</b> Trigger Input
Ā	Contamination/Error Output (NO)	<b>Q</b> Analog Output
V	Contamination/Error Output (NC)	<b>Q-</b> Ground for the Analog Output
∇	Contamination/Error Output (NC)	<b>BZ</b> Block Discharge
E	Input (analog or digital)	<b>AWV</b> Valve Output
T	Teach Input	<b>a</b> Valve Control Output +
Z	Time Delay (activation)	<b>b</b> Valve Control Output 0 V
S	Shielding	<b>SY</b> Synchronization
RxD	Interface Receive Path	<b>E+</b> Receiver-Line
TxD	Interface Send Path	<b>S+</b> Emitter-Line
RDY	Ready	<b>⊕</b> Grounding
GND	Ground	<b>SrR</b> Switching Distance Reduction
CL	Clock	<b>Rx+/-</b> Ethernet Receive Path
E/A	Output/Input programmable	<b>Tx+/-</b> Ethernet Send Path
	<b>IO-Link</b>	<b>Bus</b> Interfaces-Bus A(+)/B(-)
PoE	Power over Ethernet	<b>La</b> Emitted Light disengageable
IN	Safety Input	<b>Mag</b> Magnet activation
OSSD	Safety Output	<b>RES</b> Input confirmation
Signal	Signal Output	<b>EDM</b> Contactor Monitoring
BI-D+/-	Ethernet Gigabit bidirect. data line (A-D)	<b>EN<sub>MS42</sub></b> Encoder A/Ā (TTL)
EN <sub>MS42</sub>	Encoder 0-pulse 0-0̄ (TTL)	<b>EN<sub>MS42</sub></b> Encoder B/B̄ (TTL)
		<b>ENA</b> Encoder A
		<b>ENB</b> Encoder B
		<b>AMIN</b> Digital output MIN
		<b>AMAX</b> Digital output MAX
		<b>AOK</b> Digital output OK
		<b>SY in</b> Synchronization In
		<b>SY OUT</b> Synchronization OUT
		<b>0<sub>LT</sub></b> Brightness output
		<b>M</b> Maintenance
		<b>Wire Colors according to DIN IEC 757</b>
		<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