

Connection Cable

M12 × 1; 8-pin, X-coding



ZC1V004

Part Number



Technical Data

Mechanical Data

Connection 1	Plug, straight
Connection mode 1	M12 × 1, 8-pin, X-cod.
Connection 2	Plug, straight
Connection mode 2	M12 × 1, 8-pin, X-cod.
Torque	M12: 0,4 Nm
Cable Length	5 m
Diameter Cable	6,9 mm
Wire cross-section	0,14 mm ²
Degree of Protection	IP67
Temperature Range	-20...80 °C
Material Cable Jacket	PUR
Material Wire Isolation	PE
Material Cap Nut	Zinc diecasting, nickel-plated
Category	CAT 5E
Screened	yes
Halogen-free	yes
Drag Chain Suitable	yes
Bending radius (fixed installation)	4 × d
Bending radius (used in motion)	8 × d
Travel speed (with 5 m horizontal travel distance)	3 m/s
Acceleration	5 m/s ²
Bending cycles	500000
Packaging unit	1 Piece

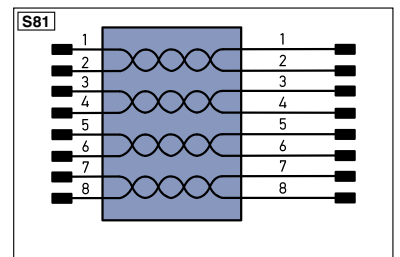
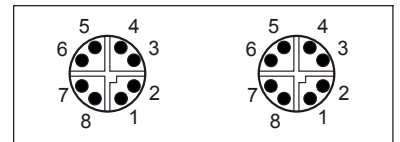
Connection Diagram No.

S81

Connection Technology No.

50

- Drag chain suitable
- 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)	Ū	Test Input inverted	AMAX	Digital output MAX
Ā	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	OUT	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	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	Contactor Monitoring		
EN0PMS22	Encoder 0-pulse 0-0 (TTL)	ENAPMS22	Encoder A/Ā (TTL)		
		ENBPMS22	Encoder B/B̄ (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