

Connection Cable

M12 × 1; 8-pin, X-coding - M12 × 1; 4-pin, D-coding

ZC1V018

Part Number



Technical Data

Electrical Data

Supply Voltage ≤ 50 V AC/DC

Baud Rate 100 Mbit/s

Mechanical Data

Connection 1	Plug, angled
Connection mode 1	M12 × 1, 8-pin, X-cod.
Connection 2	Plug, straight
Connection mode 2	M12 × 1, 4-pin, D-cod.
Torque	M12: 0,6 Nm
Cable Length	2 m
Outside diameter (d)	6 mm
Wire cross-section	0,22 mm ²
Degree of Protection	IP67
Jacket color	green
Cable Jacket Material	PUR
Material Wire Insulation	PE
Material Sleeve Nut	Zinc diecasting, nickel-plated
Category	CAT 5
Screened	yes
Halogen-free	yes
Drag Chain Suitable	yes
Bending radius (fixed installation)	5 × d
Bending radius (used in motion)	12 × d
Travel speed (with 5 m horizontal travel distance)	$\leq 3,3$ m/s
Acceleration	≤ 2 m/s ²
Bending cycles	≤ 35000000
Packaging unit	1 Piece

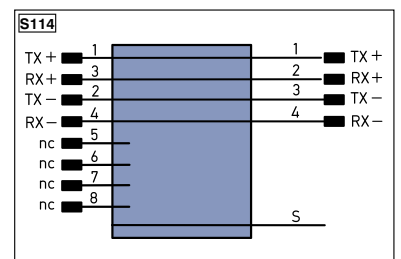
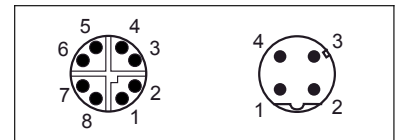
Connection Diagram No.

S114

Connection Equipment No.

50 | 51

● Screened



* per contact

Legend

+	Supply Voltage +	PT	Platinum measuring resistor	EN _A 542	Encoder A/A (TTL)
-	Supply Voltage 0 V	nc	not connected	EN _B 542	Encoder B/B (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	EN _A	Encoder A
A	Switching Output (NO)	Ü	Test Input inverted	EN _B	Encoder B
Ä	Switching Output (NC)	W	Trigger Input	AMIN	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	AMAX	Digital output MAX
Ÿ	Contamination/Error Output (NC)	O	Analog Output	ACK	Digital output OK
E	Input (analog or digital)	Q-	Ground for the Analog Output	SY In	Synchronization In
T	Teach Input	BZ	Block Discharge	SY OUT	Synchronization OUT
Z	Time Delay (activation)	AwV	Valve Output	Out	Brightness output
S	Shielding	a	Valve Control Output +	M	Maintenance
RxD	Interface Receive Path	b	Valve Control Output 0 V	rsv	reserved
TxD	Interface Send Path	SY	Synchronization	Wire Colors according to IEC 60757	
RDY	Ready	SY-	Ground for the Synchronization	BK	Black
GND	Ground	E+	Receiver-Line	BN	Brown
CL	Clock	S+	Emitter-Line	RD	Red
E/A	Output/Input programmable	±	Grounding	OG	Orange
IO-Link		S _n R	Switching Distance Reduction	YE	Yellow
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path	GN	Green
IN	Safety Input	Tx+/-	Ethernet Send Path	BU	Blue
OSSD	Safety Output	B _{us}	Interfaces-Bus A(+)/B(-)	VT	Violet
Signal	Signal Output	La	Emitted Light disengageable	GY	Grey
Bi-Di	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN _{0-pulse}	Encoder 0-pulse 0-0 (TTL)	RES	Input confirmation	PK	Pink
		EDM	Contact Monitoring	GNYE	Green/Yellow