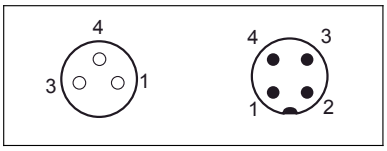
Connection Cable
M8 × 1; 3-pin - M12 × 1; 3-pin

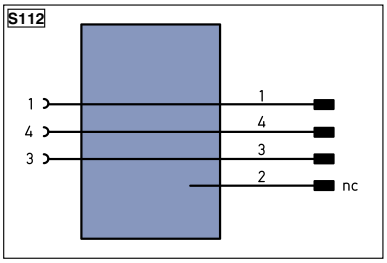
ZCGV001
Part Number

Technical Data

Mechanical Data	
Connection 1	Socket, straight
Connection mode 1	M8 × 1, 3-pin
Connection 2	Plug, straight
Connection mode 2	M12 × 1, 4-pin
Torque	M8: 0,4 Nm; M12: 0,6 Nm
Cable Length	2 m
Diameter Cable	4,5 mm
Wire cross-section	0,25 mm²
Degree of Protection	IP67
Temperature Range	-5...80 °C
Material Cable Jacket	PVC
Material Wire Isolation	PVC
Material Cap Nut	CuZn, nickel-plated
Packaging unit	1 Piece
Connection Diagram No.	S112
Connection Technology No.	8

- **Plug M12 × 1, straight**
- **Socket M8 × 1, straight**





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)	O	Analog Output	SY In	Synchronization In
V̄	Contamination/Error Output (NC)	O–	Ground for the Analog Output	SY OUT	Synchronization OUT
E	Input (analog or digital)	BZ	Block Discharge	DLT	Brightness output
T	Teach Input	AMV	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	SnR	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		
EN0 RS422	Encoder 0-pulse 0-0̄ (TTL)	ENA RS422	Encoder A/Ā (TTL)		
		ENB RS422	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

Specifications are subject to change without notice