

Connector Plug

M12 × 1; 4-pin, D-coding

ZAT51NN01

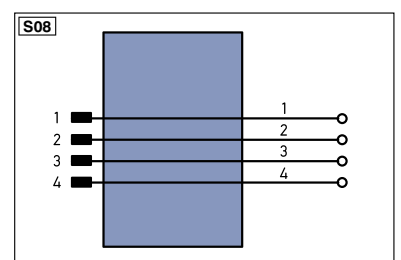
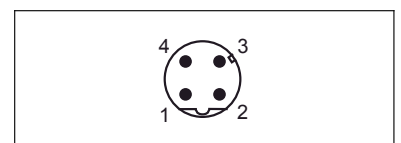
Part Number



Technical Data

Mechanical Data	
Connection 1	Plug, straight
Connection mode 1	M12 × 1, 4-pin, D-cod.
Torque	M12: 0,4 Nm
Diameter Cable	4...8 mm
Wire cross-section	0,14...0,34 mm ²
Assembling	Insulation displacement connector (IDC)
Degree of Protection	IP67
Temperature Range	-20...80 °C
Material Cap Nut	CuZn, nickel-plated
Category	CAT 5
Screened	yes
Packaging unit	1 Piece
Connection Diagram No.	S08
Connection Technology No.	51

- **D-coding**
- **Plug M12 × 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)	Ü Test Input inverted	AMAX Digital output MAX
Ä 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	Ü.t 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	
EN0P5422 Encoder 0-pulse 0-0 (TTL)	ENaP5422 Encoder A/Ä (TTL)	
	ENbP5422 Encoder B/ß (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