

Connection Cable

M12 × 1; 12-pin - M12 × 1, 4-pin

ZDCV004

Part Number



Technical Data

Electrical Data

Supply Voltage	≤ 30 V DC
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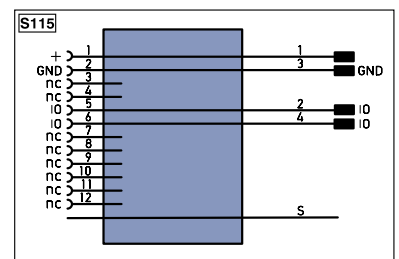
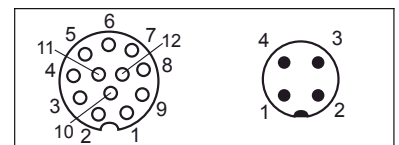
Mechanical Data

Connection 1	Socket, angled
Connection mode 1	M12 × 1, 12-pin
Connection 2	Plug, straight
Connection mode 2	M12 × 1, 4-pin
Torque	M12: 0,6 Nm
Cable Length	2 m
Outside diameter (d)	5 mm
Wire cross-section	0,25 mm ²
Degree of Protection	IP67
Jacket color	gray
Cable Jacket Material	PUR
Material Wire Insulation	TPE
Material Sleeve Nut	CuZn, nickel-plated
Screened	yes
Halogen-free	yes
Drag Chain Suitable	yes
Bending radius (fixed installation)	> 5 × d
Bending radius (used in motion)	> 7,5 × d
Bending cycles	≤ 2000000
Packaging unit	1 Piece

Connection Diagram No.

S115

- Drag chain suitable
- Screened



* per contact

Legend

+ Supply Voltage +	PT Platinum measuring resistor	ENaA042 Encoder A/A (TTL)
- Supply Voltage 0 V	nc not connected	ENB042 Encoder B/B (TTL)
~ Supply Voltage (AC Voltage)	U Test Input	ENa Encoder A
A Switching Output (NO)	Ü Test Input inverted	ENb 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
Ṽ 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	SnR 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	BuB Interfaces-Bus A(+)/B(-)	VT Violet
Signal Signal Output	La Emitted Light disengageable	GY Grey
BI-D+/- Ethernet Gigabit bidirect. data line (A-D)	Mag Magnet activation	WH White
EN042 Encoder 0-pulse 0-0 (TTL)	RES Input confirmation	PK Pink
	EDM Contactor Monitoring	GNYE Green/Yellow