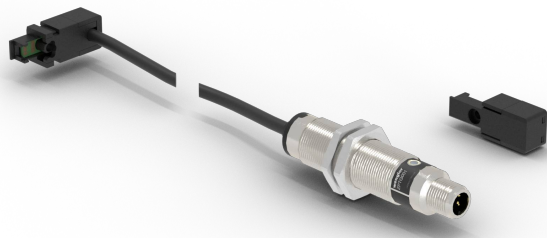


Connection module for light curtains

ZPTG001

Part Number



- Connection module for the PEHT sensor module
- Logical linking of up to 135 beams possible
- Remote control of the switching status LEDs of the PEHT sensor modules possible for visualization
- Single-beam evaluation via IO-Link

Technical Data

Optical Data

Switching Hysteresis	15 %
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Electrical Data

Supply Voltage	18...30 V DC
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Current Consumption (U _b = 24 V)	< 10 mA
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Switching Frequency	555 Hz
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Response Time	900 μs
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Temperature Drift	< 10 %
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Temperature Range	-25...60 °C
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Switching Output Voltage Drop	< 2 V
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Switching Output/Switching Current	100 mA
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Short Circuit Protection	yes
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Reverse Polarity Protection	yes
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Overload Protection	yes
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Interface	IO-Link
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Protection Class	III
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Mechanical Data

Setting Method	IO-Link
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Housing Material	Brass, nickel-plated
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Connection	M8 × 1; 4-pin
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Scope of delivery	1 × connection module
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	1 × ZPTG003 end cap
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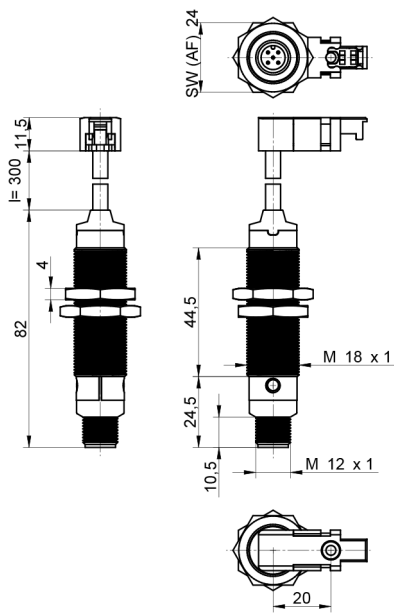
Packaging unit	1 Piece
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IO-Link

PNP NO

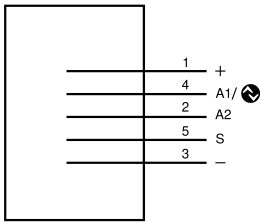
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Connection Diagram No.



All dimensions in mm (1 mm = 0.03937 Inch)

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Legend

+	Supply Voltage +	PT	Platinum measuring resistor	ENAR5422	Encoder A/Ä (TTL)
-	Supply Voltage 0 V	nc	Not connected	ENBR5422	Encoder B/ß (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
Û	Contamination/Error Output (NC)	O	Analog Output	AOK	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY In	Synchronization In
T	Teach Input	BZ	Block Discharge	SY OUT	Synchronization OUT
R	Reset input	Amv	Valve Output	OLT	Brightness output
Z	Time Delay (activation)	a	Valve Control Output +	M	Maintenance
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved
RxD	Interface Receive Path	SY	Synchronization	Wire Colors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization	BK	Black
RDY	Ready	E+	Receiver-Line	BN	Brown
GND	Ground	S+	Emitter-Line	RD	Red
CL	Clock	≡	Grounding	OG	Orange
E/A	Output/Input programmable	SnR	Switching Distance Reduction	YE	Yellow
IO-Link	IO-Link	Rx+/-	Ethernet Receive Path	GN	Green
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path	BU	Blue
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
QSSD	Safety Output	La	Emitted Light disengageable	GY	Grey
Signal	Signal Output	Mag	Magnet activation	WH	White
BL_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	PK	Pink
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contact Monitoring	GNYE	Green/Yellow

