Through-Beam Sensor





- Glass lenses
- Range: 60 m
- Test input

Technical Data

Optical Data								
Range	60000 mm							
Light Source	Red Light							
Service Life (T = +25 °C)	100000 h							
Opening Angle	4 °							
Electrical Data								
Sensor Type	Emitter							
Supply Voltage	1530 V DC							
Current Consumption (Ub = 24 V)	< 30 mA							
Temperature Drift	< 10 %							
Temperature Range	-3055 °C							
Reverse Polarity Protection	yes							
Protection Class	III							
Mechanical Data								
Housing Material	Plastic							
Full Encapsulation	yes							
Degree of Protection	IP67							
Connection	M12 × 1; 4-pin							
Connection Diagram No.	1018							
Control Panel No.	K3 No3							
Suitable Connection Equipment No.	2							
Suitable Mounting Technology No.	350							

Suitable Receiver

EN600PA3

These through-beam sensors are best suited for use in industrial environments. Thanks to their large working range, the devices demonstrate excellent functional reliability in highly contaminated environments. The sensors can be checked for correct functioning via the test input.



Complementary Products

Dust Extraction Tube STAUBTUBUS-03 Set Protective Housing ZSN-NN-02

Photoelectronic Sensors







04 = Function Indicator

1 = Transmitter Diode

Screw M4 = 1 Nm All dimensions in mm (1 mm = 0.03937 Inch)



Legen	d	PI	T	Platinum measuring resistor	E	NA R5422	Encoder A/Ā (TTL)
+	Supply Voltage +	nc	:	not connected	E	NBR5422	Encoder B/B (TTL)
-	Supply Voltage 0 V	U		Test Input	E	Na	Encoder A
~	Supply Voltage (AC Voltage)	Ū		Test Input inverted	E	Νв	Encoder B
А	Switching Output (NO)	W	/	Trigger Input	A	MIN	Digital output MIN
Ā	Switching Output (NC)	W	/	Ground for the Trigger Input	A	MAX	Digital output MAX
V	Contamination/Error Output (NO)	0		Analog Output	A	ιок	Digital output OK
V	Contamination/Error Output (NC)	0	-	Ground for the Analog Output	S	iY In	Synchronization In
E	Input (analog or digital)	BZ	Z	Block Discharge	S	Y OUT	Synchronization OUT
Т	Teach Input	AA	NV	Valve Output	0	LT .	Brightness output
Z	Time Delay (activation)	а		Valve Control Output +	м	1	Maintenance
S	Shielding	b		Valve Control Output 0 V	rs	sv	reserved
RxD	Interface Receive Path	SI		Synchronization	N	Vire Co	lors according to DIN IEC 757
TxD	Interface Send Path	SI	Y-	Ground for the Synchronization	E	ЗK	Black
RDY	Ready	E-	+	Receiver-Line	E	BN	Brown
GND	Ground	S-	+	Emitter-Line	F	RD	Red
CL	Clock	+	-	Grounding	C	ЭG	Orange
E/A	Output/Input programmable	Sr	nR	Switching Distance Reduction)	ΥE	Yellow
۲	IO-Link	Rx	x+/-	Ethernet Receive Path	0	GN	Green
PoE	Power over Ethernet	T	x+/-	Ethernet Send Path	E	ΒU	Blue
IN	Safety Input	Bu	JS	Interfaces-Bus A(+)/B(-)			Violet
OSSD	Safety Output	La	4	Emitted Light disengageable	0	GY	Grey
Signal	Signal Output	Ma	ag	Magnet activation	V	WH	White
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RE	ES	Input confirmation			Pink
EN0 RS422	Encoder 0-pulse 0-0 (TTL)	EC	Эм	Contactor Monitoring	G	GNYE	Green/Yellow



Specifications are subject to change without notice