Through-Beam Sensor

ZD600PCT3

Part Number

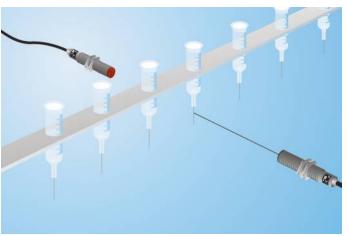


• Range: 60 m

Smallest recognizable part: 0,05 mm

• Teach-in, external teach-in

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.



Technical Data

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Optical Data	
Range	60000 mm
Smallest Recognizable Part	> 50 µm
Switching Hysteresis	< 15 %
Light Source	Laser (red)
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	12 °
Electrical Data	
Sensor Type	Receiver
Supply Voltage	1030 V DC
Current Consumption (Ub = 24 V)	< 15 mA
Switching Frequency	5 kHz
Response Time	100 <i>μ</i> s
On-/Off-Delay (RS-232)	05 s
Temperature Drift	< 10 %
Temperature Range	-2560 °C
Switching Output Voltage Drop	< 2,5 V
Switching Output/Switching Current	200 mA
Short Circuit and Overload Protection	yes
Reverse Polarity Protection	yes
Teach Mode	NT, MT
Protection Class	III
Mechanical Data	
Adjustment	Teach-In
Housing Material	Stainless Steel
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
PNP NO/NC switchable	•
RS-232 with Adapterbox	
Connection Diagram No.	152
Control Panel No.	D7
Suitable Connection Technology No.	2
Suitable Mounting Technology No.	150 160

Suitable Emitter

ZD6003

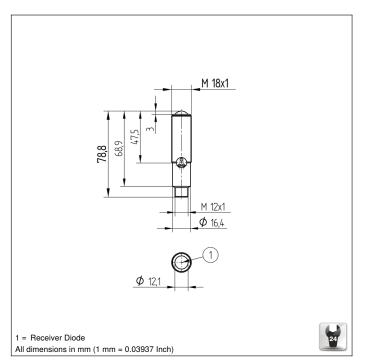


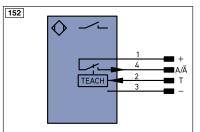


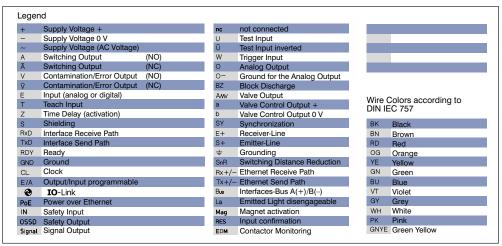












Complementary Products

Adapterbox A232

Dust extraction tube STAUBTUBUS-01

Lens LA

PNP-NPN Converter BG2V1P-N-2M

Ctrl. Panel



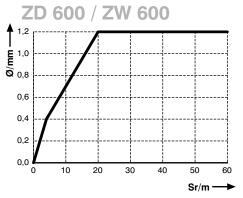
01 = Switching Status Indicator

02 = Contamination Warning

06 = Teach Button

Smallest Recognizable Part

Based on the Distance between Emitter and Receiver



Sr = Switching Distance

Ø = Diameter, Smallest Recognizable Part