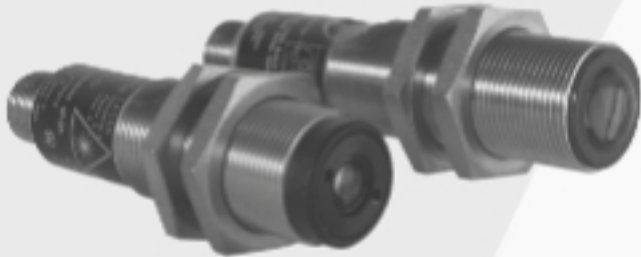


Through Beam Sensors

LASER

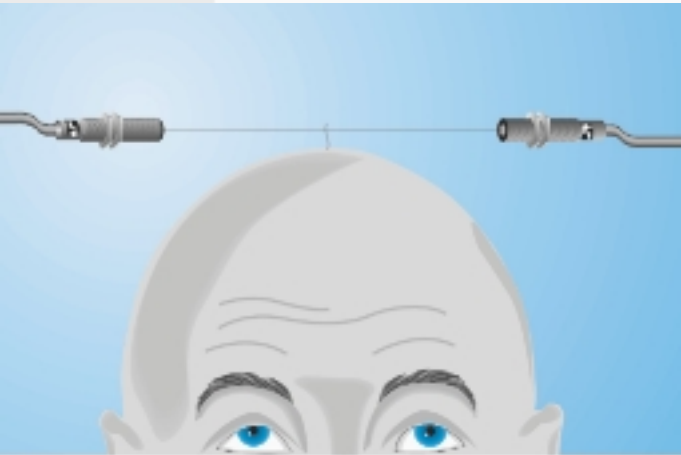
ZD6003

Part Number



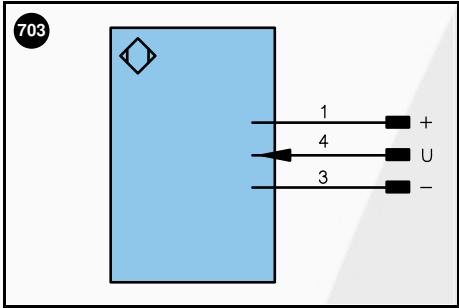
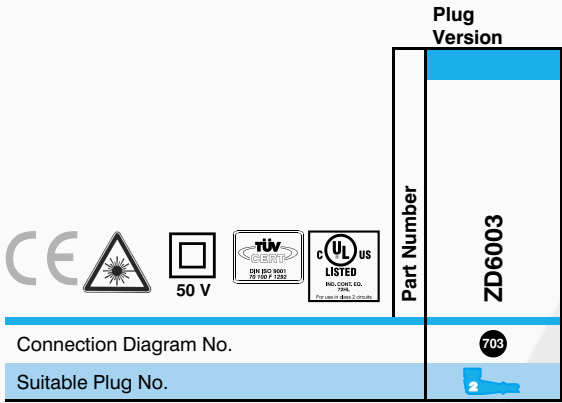
- Adjustable Focus
- Range: 60 m

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

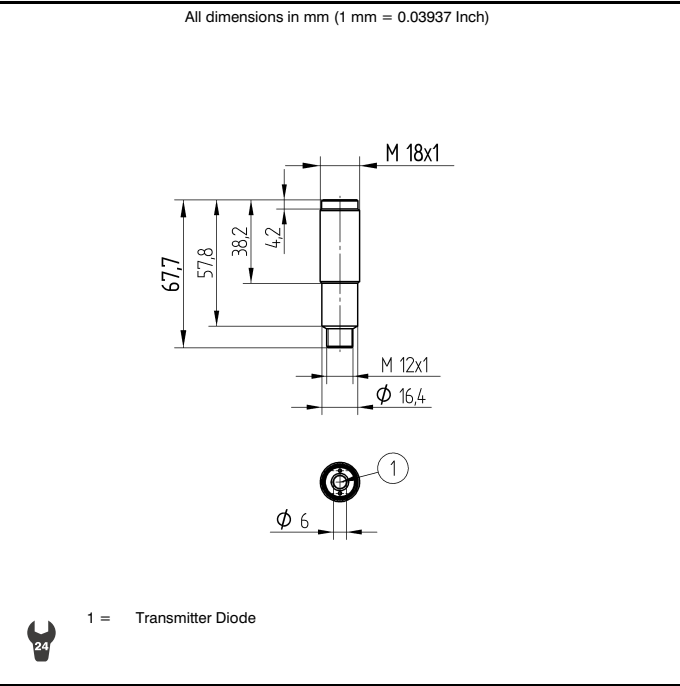


Technical Data

Optical Data	
Range	60000 mm
Light Source	Laser (red)
Wave Length	655 nm
Service Life (T = +25°C)	100000 h
Laser Protection Class (EN 60825-1)	2
Beam Divergence	0.5 mrad
Electrical Data	
Sensor Type	Emitter
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24V)	< 15 mA
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Mechanical Data	
Housing	Stainless Steel
Full Encapsulation	yes
Protection Mode	IP 67
Connection	M 12x1
Protective Insulation, Rated Voltage	50 V

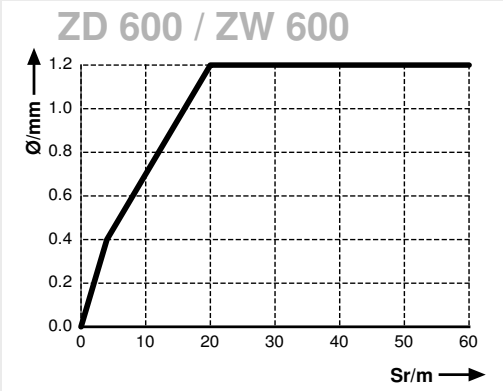


Legend		
+ Power supply "+"	U Test input	Wire colors according to DIN IEC 757
- Power supply "0V"	W Trigger input	BK black
~ Power supply (AC Voltage)	O Analog output (1,2,3,...)	BN brown
A Switching output (1,2,3,...) / NO	O- Ground for the analog output	RD red
A Switching output (1,2,3,...) / NC	BZ Block discharge	OG orange
V Contamination / Error output (NO)	Aw Valve output	YE yellow
V Contamination / Error output (NC)	a Valve control output "+"	GN green
E Input (analog or digital)	b Valve control output "0V"	BU blue
T Teach input	SY Synchronization	VT violet
Z Time delay (activation)	E+ Receiver-Line	GY grey
S Shielding	S+ Emitter-Line	WH white
RxD RS-232 receive path	≡ Grounding	PK pink
TxD RS-232 send path		GNYE green yellow



Smallest Recognizable Part

Based on the Distance between Emitter and Receiver



Ø = Diameter, Smallest Recognizable Part

Sr = Switching Distance

Accessories

Mounting Bracket W18 / W18L