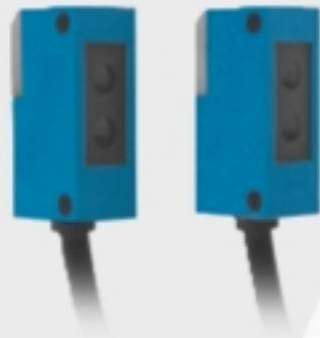


# Through Beam Sensors



## SK96

Part Number

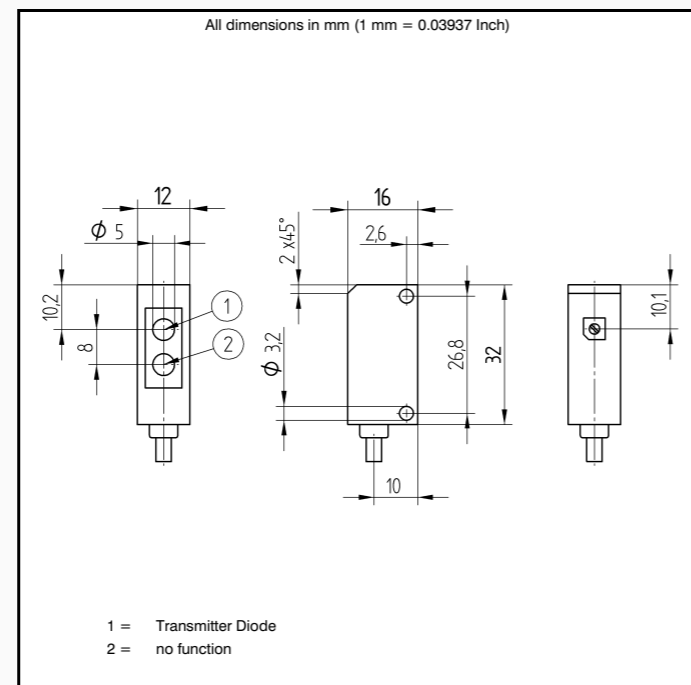
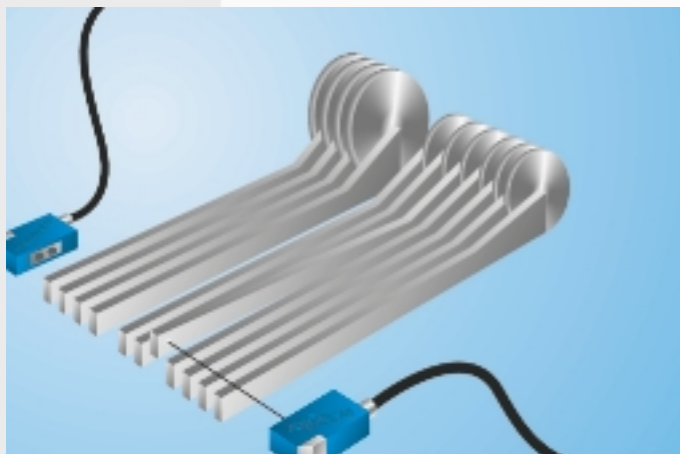


### Technical Data

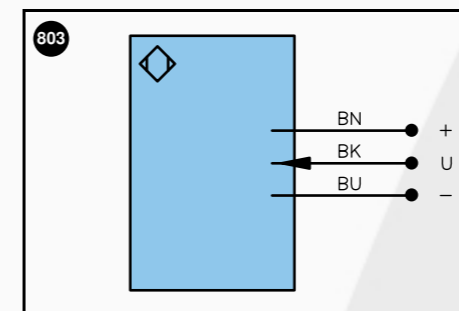
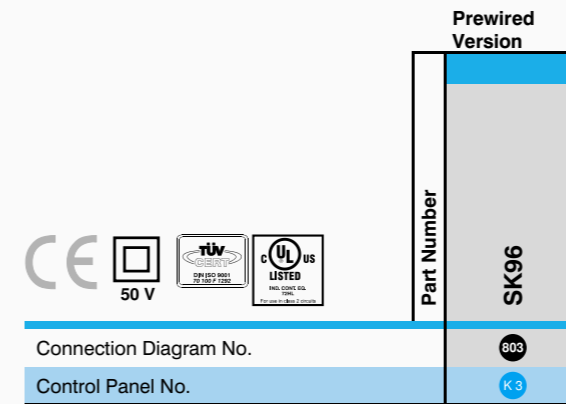
<b>Optical Data</b>	
Range	6000 mm
Light Source	Red Light
Service Life (T = +25°C)	100000 h
Opening Angle	5 °
<b>Electrical Data</b>	
Sensor Type	Emitter
Supply Voltage	10...30 V DC
Current Consumption (U <sub>b</sub> = 24V)	< 40 mA
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2.5 V
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
<b>Mechanical Data</b>	
Housing	Plastic
Full Encapsulation	yes
Protection Mode	IP 67
Connection	Prewired
Cabel Length	2 m
Protective Insulation, Rated Voltage	50 V

- Miniature Design
- Rugged design with full encapsulation
- Suitable for use as a muting barrier
- Test Input

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.



Specifications are subject to change without notice  
28/02



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

### Accessories

Mounting Bracket WK

### Ctrl.Panel



04 = Function Indicator