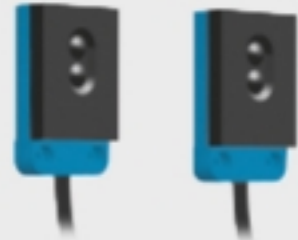


Through Beam Sensors



S1FL66

Part Number

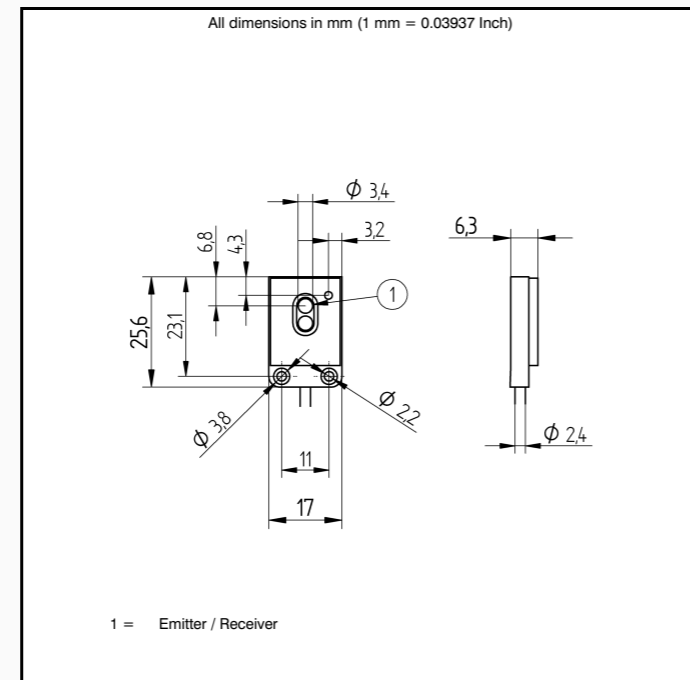
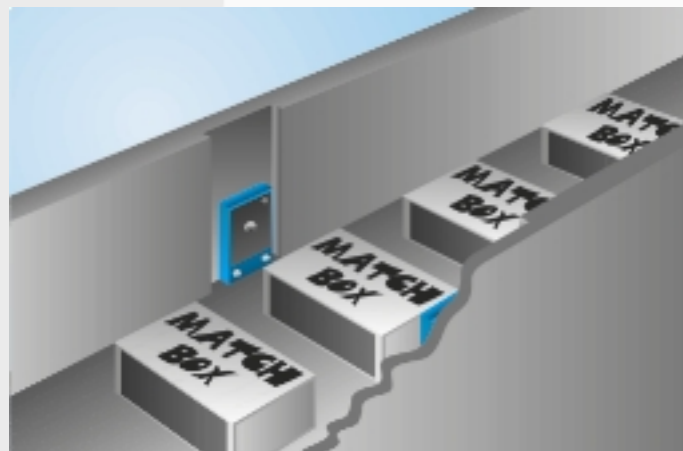


Technical Data

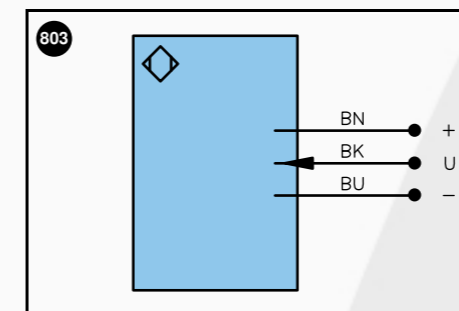
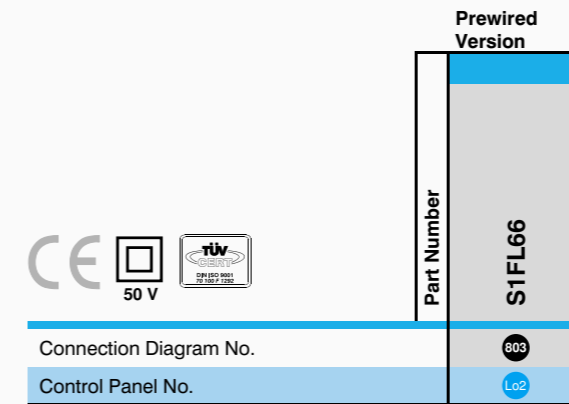
Optical Data	
Range	1000 mm
Light Source	Infrared Light
Service Life (T = +25°C)	100000 h
Opening Angle	25 °
Electrical Data	
Sensor Type	Emitter
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24V)	< 30 mA
Temperature Drift	< 10 %
Temperature Range	-10...60 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Test input	PNP
Mechanical Data	
Housing	Plastic
Protection Mode	IP 67
Connection	Prewired
Cabel Length	2 m
Protective Insulation, Rated Voltage	50 V

- Rear Panel Mounting
- 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
39/03



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	GN green
V	Contamination / Error output (NC)	a	Valve control output "+"	BU blue
E	Input (analog or digital)	b	Valve control output "0V"	VT violet
T	Teach input	SY	Synchronization	GY grey
Z	Time delay (activation)	E+	Receiver-Line	WH white
S	Shielding	S+	Emitter-Line	PK pink
RxD	RS-232 receive path	⊕	Grounding	GNYE green yellow
TxD	RS-232 send path			

Optic



04 = Function Indicator