L1FL66VD

Part Number

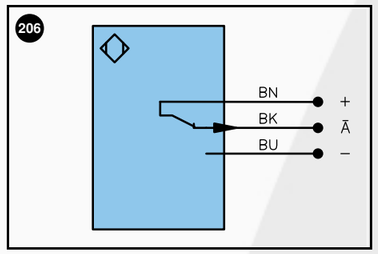
- **Glossy objects can be detected**
- **Integrated output**
- **Micro-Design**
- **Rear Panel Mounting**

Technical Data

Optical Data	
Range	1400 mm
Reference Reflector	RQ100BA
Switching Hysteresis	< 15 %
Light Source	Red Light
Polarization Filter	yes
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Opening Angle	15 °
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24V)	< 30 mA
Switching Frequency	2 kHz
Response Time	250 µs
Temperature Drift	< 10 %
Temperature Range	-10...60 °C
Switching Output Voltage Drop	< 2.5 V
PNP Switching Output/Switching Current	100 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Mechanical Data	
Housing	Plastic
Protection Mode	IP 67
Connection	Prewired
Cabel Length	2 m
Protective Insulation, Rated Voltage	50 V

Prewired Version	
Part Number	L1FL66VD
PNP NC	●
Connection Diagram No.	206
Control Panel No.	Lo1

50 V

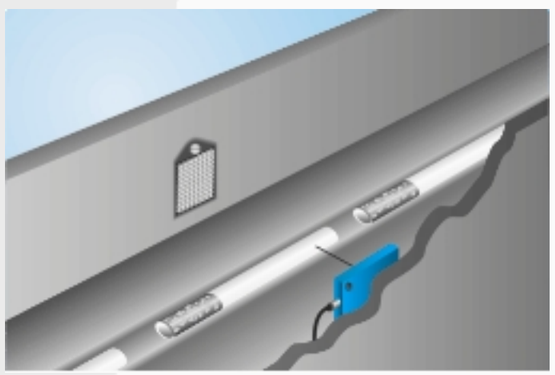


Legend

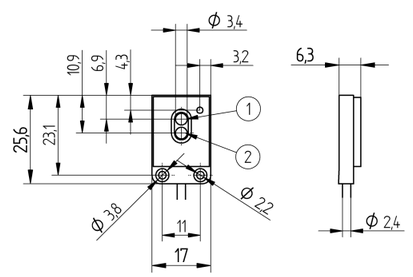
+	Power supply "+"	U	Test input	BK	black
–	Power supply "0V"	W	Trigger input	BN	brown
~	Power supply (AC Voltage)	O	Analog output (1,2,3,...)	RD	red
A	Switching output (1,2,3...) / NO	O–	Ground for the analog output	OG	orange
Ā	Switching output (1,2,3...) / NC	BZ	Block discharge	YE	yellow
V	Contamination / Error output (NO)	AW	Valve output	GN	green
V̄	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				

Wire colors according to DIN IEC 757

A reflector must be used in combination with these sensors. They can be installed in all kinds of industrial environments thanks to ample functional reserve. Even reflective objects can be reliably recognized through the use of polarized light.

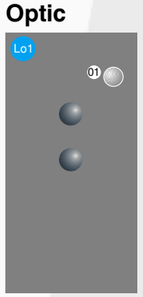


All dimensions in mm (1 mm = 0.03937 Inch)



1 = Receiver Diode
2 = Transmitter Diode

Optic



01 = Switching Status Indicator

Specifications are subject to change without notice

38/03