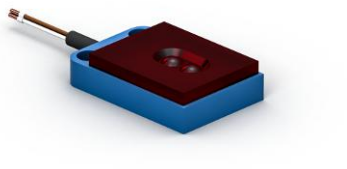
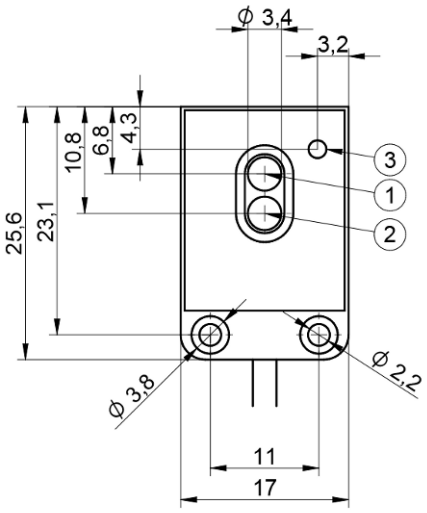
wenglor
the innovative family

Technical Data
E1FL66VD
Through-Beam Sensor





Symbol	Key
1	Emitter diode
2	Receiver diode
3	Operating Status Indicator
L	Cable length

EN

Dimensions in mm
Subject to change without notice
Version 1
www.wenglor.com

Technical data

Optical Data	
Range	1000 mm
Switching Hysteresis	< 15 %
Light Source	Infrared, LED
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	30 °

Electrical Data	
Sensor Type	Receiver
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 30 mA
Switching Frequency	500 Hz
Response Time	1 ms
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2.5 V
Switching Output/Switching Current	100 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III

Mechanical Data	
Housing Material	Plastic, ABS-GF
Degree of Protection	IP67
Connection	Cable; 3-wire
Cable length (L)	2 m
Cable Jacket Material	PVC
Wire cross-section	0.09 mm^2

Safety-relevant Data	
MTTFd (EN ISO 13849-1)	5592.92 a

General Data	
Scope of delivery	1 × BEF-SET-23 mounting set 1 × initial start-up instructions 1 × sensor

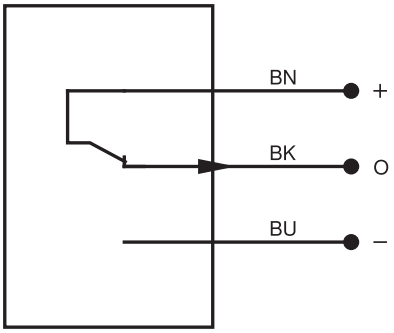
All other parameters can be found in the product documentation.

* Temperature range with permanently installed cable, bending radius: > 40 mm

BMECat data	
eCl@ss 5.1.4	27-27-09-01 One-way light barrier

BMECat data	
eCl@ss 6.x	27-27-09-01 One-way light barrier
eCl@ss 7.0	27-27-09-01 One-way light barrier
eCl@ss 7.1	27-27-09-01 One-way light barrier
eCl@ss 8.x	27-27-09-01 One-way light barrier
eCl@ss 10.0.1	27-27-09-01 One-way light barrier

Technical illustrations



Wire color	Pin function	Polarity	Circuit
Brown	Supply Voltage +		
Blue	Supply voltage 0 V		
Black	Switching output	PNP	NC