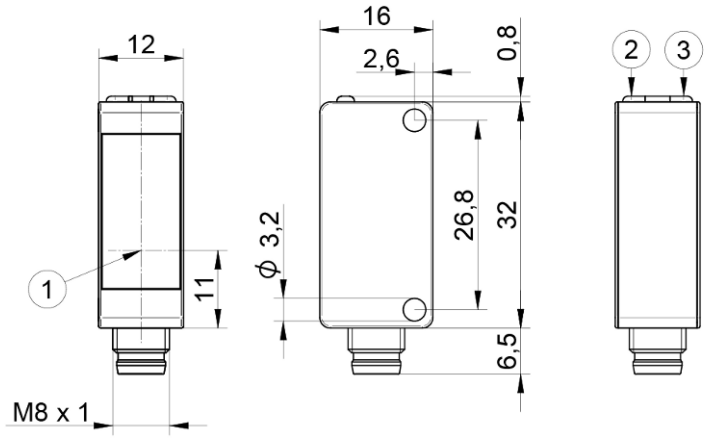
wenglor
the innovative family

Technical Data
P1KS003
Through-Beam Sensor



Symbol	Key
1	Emitter diode
2	Power LED
3	Function indicator



EN

Dimensions in mm
Subject to change without notice
Version 3
www.wenglor.com

Technical data

Optical Data	
Range	10000 mm
Light Source	Laser, red
Wavelength	680 nm
Service Life (T = +25 °C)	100000 h
Laser Class (EN 60825-1)	1
Light Spot Diameter	see table 1

Electrical Data	
Sensor Type	Emitter
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 15 mA
Temperature Drift (-10 °C < Tu < 40 °C)	10 % *
Temperature Range	-40...50 °C
Reverse Polarity Protection	yes
Test input	yes
Protection Class	III
FDA Accession Number	1710976-004

Mechanical Data	
Housing Material	Plastic, ABS/PC
Degree of Protection	IP67 IP68
Connection	M8 × 1; 3-pin
Optic Cover	Plastic, PMMA

Safety-relevant Data	
MTTFd (EN ISO 13849-1)	2993.84 a

General Data	
Scope of delivery	1 × initial start-up instructions 1 × sensor

Adjustable parameters	
Other parameters	Emitted light

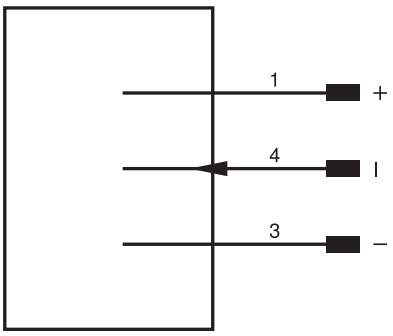
All other parameters can be found in the product documentation.

* See operating instructions for further information

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

BMECat data	
eCl@ss 10.0.1	27-27-09-01 One-way light barrier

Technical illustrations



Pin	Pin function	Polarity
1	Supply Voltage +	
3	Supply voltage 0 V	
4	Test input	High activ

Table 1			
Working Distance	1 m	6 m	10 m
Light Spot Diameter	2,5 mm	25 mm	40 mm