wenglor
the innovative family

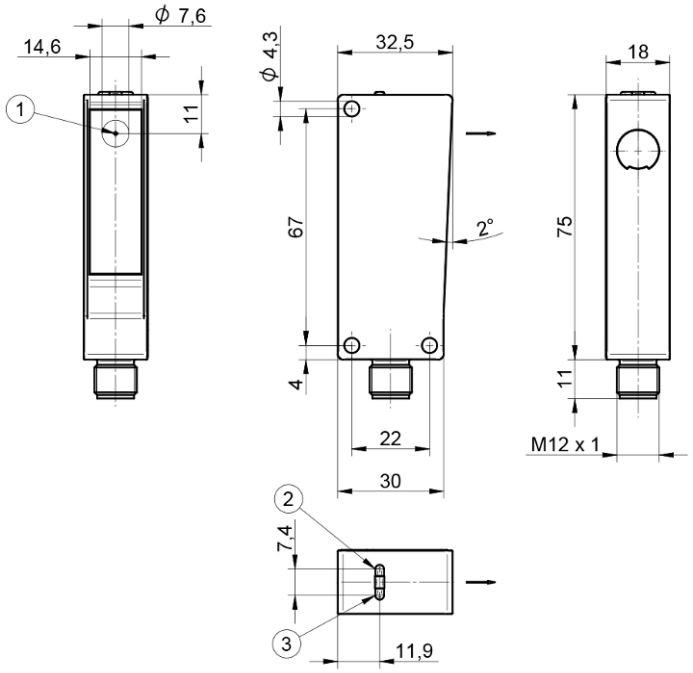
Technical Data

S1NS002

Safety Through-Beam Sensor

Emitter





Symbol	Key
1	Emitter diode
2	Power LED
3	Function indicator

EN

Dimensions in mm
Subject to change without notice
Version 0
www.wenglor.com

Technical data

Optical Data	
Range	0.25...25 m
Light Source	LED, red
Wavelength	660 nm
Opening Angle	± 5 °

Electrical Data	
Sensor Type	Emitter
Supply Voltage	19.2...28.8 V DC
Current Consumption (Ub = 24 V)	< 20 mA
Temperature Range	-30...60 °C
Storage temperature	-30...70 °C
Reverse Polarity Protection	yes
Protection Class	III

Mechanical Data	
Housing Material	Plastic, ABS
Optic Cover	Plastic, PMMA
Degree of Protection	IP65 IP67
Connection	M12 × 1; 4-pin

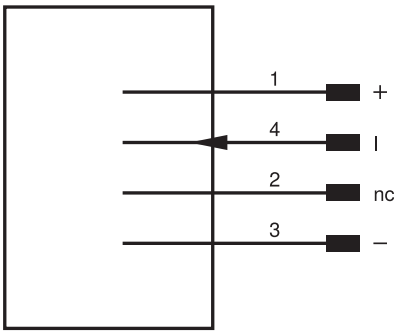
Safety-relevant Data	
ESPE Type (EN 61496)	2
Safety Category (EN ISO 13849-1)	2
Performance Level (EN ISO 13849-1)	PL c
PFHD	3,16 × E-7 1/h
Mission Time TM (EN ISO 13849-1)	20 a
MTTFd (EN ISO 13849-1)	381 a

General Data	
Scope of delivery	1 × sensor

* In combination with SS2-00VA000R4

BMECat data	
eCl@ss 5.1.4	27-27-27-01 Safety-related irradiating light barrier
eCl@ss 6.x	27-27-27-01 Safety-related irradiating light barrier
eCl@ss 7.0	27-27-27-01 Safety-related irradiating light barrier
eCl@ss 7.1	27-27-27-01 Safety-related irradiating light barrier
eCl@ss 8.x	27-27-27-01 Safety-related irradiating light barrier
eCl@ss 10.0.1	27-27-27-01 Safety-related irradiating light barrier

Technical illustrations



Pin	Pin function	Polarity
1	Supply Voltage +	
2	Not connected	
3	Supply voltage 0 V	
4	Input	High activ