

Safety Through-Beam Sensor

Emitter

S1NS003



- Compatible with safety control unit
- Quick alignment through visible red light
- Test input

These through-beam sensors are well suited for use in rough industrial environments. Together with a suitable individual control unit, access of machines can be safeguarded.

Optical Data

Range	0,25...25 m
Light Source	Red Light
Wavelength	660 nm
Opening Angle	± 5 °

Electrical Data

Sensor Type	Emitter
Supply Voltage	19,2...28,8 V DC
Current Consumption (U _b = 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*
Mission Time TM (EN ISO 13849-1)	20 a
MTTFd (EN ISO 13849-1)	381 a

Connection Diagram No.	769
Control Panel No.	A60
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	350

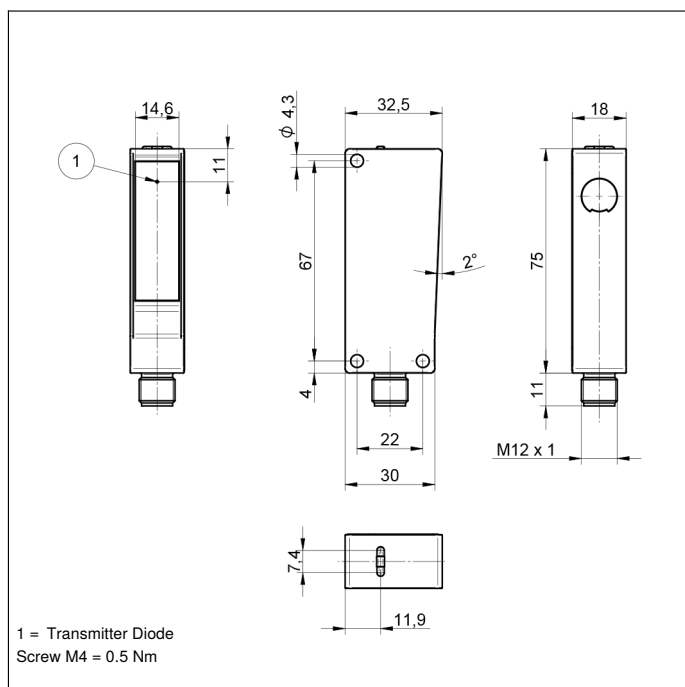
Suitable Receiver

S1NE003

* in conjunction with suitable safety control unit

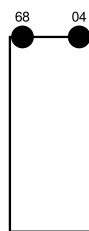
Complementary Products

Path-Folding Mirror Z2UG001
Set Protective Housing Z1NS001
Software



Ctrl. Panel

A60



04 = Function Indicator
68 = Power LED