

Safety Through-Beam Sensor Receiver

S1NE003



- Compatible with safety control unit

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
Max. Ambient Light	10000 Lux
Opening Angle	± 5 °
Electrical Data	
Sensor Type	Receiver
Supply Voltage	19,2...28,8 V DC
Current Consumption (U _b = 24 V)	< 20 mA
Response Time	1,8 ms
Temperature Range	-30...60 °C
Storage temperature	-30...70 °C
Switching Output Voltage Drop	< 2 V
PNP Switching Output/Switching Current	100 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Overload Protection	yes
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.	1021
Control Panel No.	A59
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	350

Suitable Emitter

S1NS003

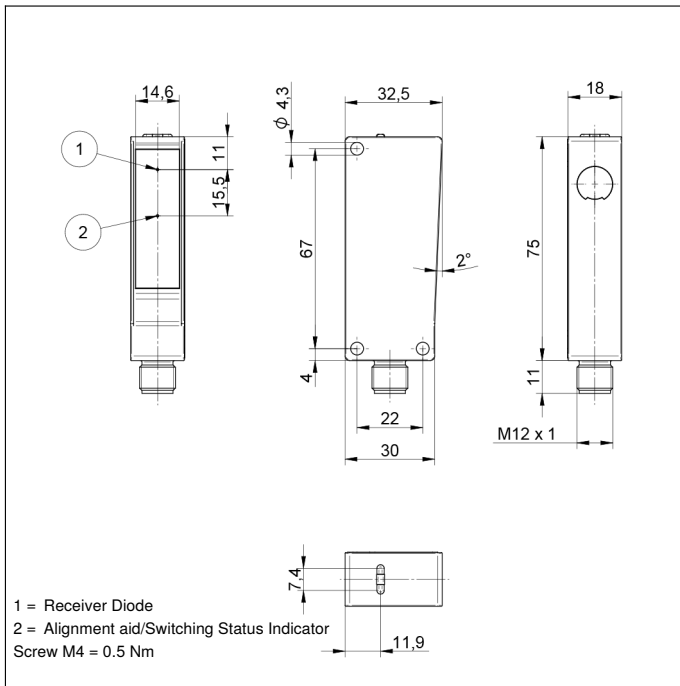
* in conjunction with suitable safety control unit

Complementary Products

Path-Folding Mirror Z2UG001

Set Protective Housing Z1NS001

Software



Ctrl. Panel

A59



30 = Switching Status/Contamination Warning
68 = Power LED