

# Safety Through-Beam Sensor Receiver

## S1NE002



- Compatible with SS2-00VA000R4 safety analysis module

These through-beam sensors are well suited for use in aggressive industrial environments. Secure machine access can be ensured in conjunction with the SS2-00VA000R4 safety analysis module.

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 <sub>b</sub> = 24 V)	< 20 mA
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
Degree of Protection	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
Connection Diagram No.	<b>1021</b>
Control Panel No.	<b>A59</b>
Suitable Connection Equipment No.	<b>2</b>
Suitable Mounting Technology No.	<b>350</b>

### Suitable Emitter

S1NS002

\* In combination with SS2-00VA000R4

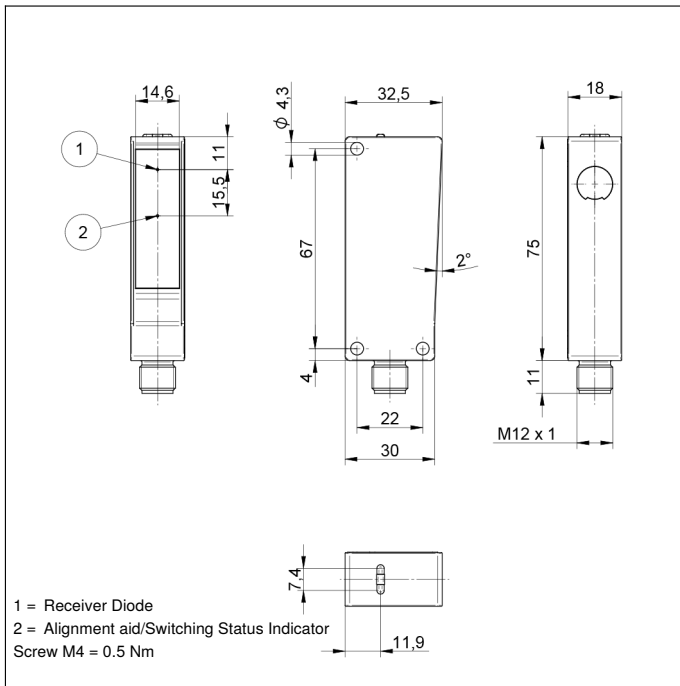
### Complementary Products

Path-Folding Mirror Z2UG001

Set Protective Housing Z1NS001

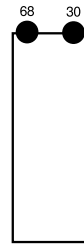
Software

SS2-00VA000R4 safety analysis module



### Ctrl. Panel

A59



30 = Switching Status/Contamination Warning  
68 = Power LED