

Safety Analysis Module
for Safety Through-Beam Sensor

SS2-00VA000R4

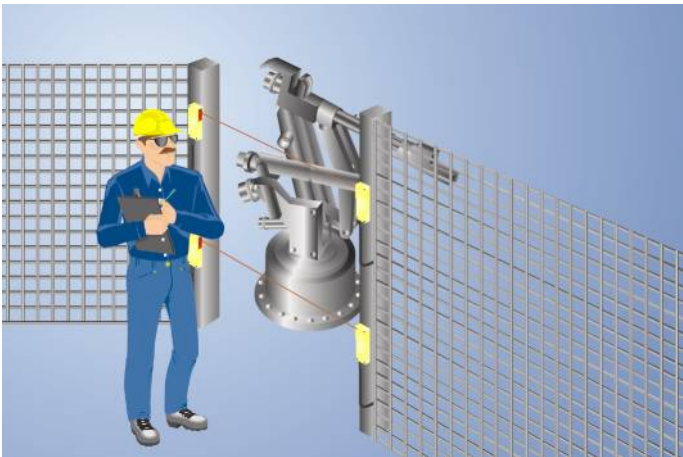


- Four through-beam sensors can be connected
- Monitoring of external safety relays
- Potential-free safety relay outputs

Electrical Data	
Supply Voltage	24 V DC
Current Consumption (Ub = 24 V)	< 125 mA
Response Time	< 80 ms
Temperature Range	-30...55 °C
Storage temperature	-30...70 °C
Safety Output	Relay
Number of safety outputs (OSSDs)	2
Switching Output Voltage Drop	< 3 V
PNP Switching Output/Switching Current	< 100 mA
Relay Output/Switching Current (250 VAC)	2 A
Reverse Polarity Protection	yes
Mechanical Data	
Housing Material	Plastic, PA
Degree of Protection	IP20
Connection	Screw Clamp (pluggable)
Safety-relevant Data	
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
Safety Integrity Level (EN 61508)	SIL 1
Function	
Restart Inhibit	yes
Contact Monitoring	yes
Connection Table No.	36
Control Panel No.	S8

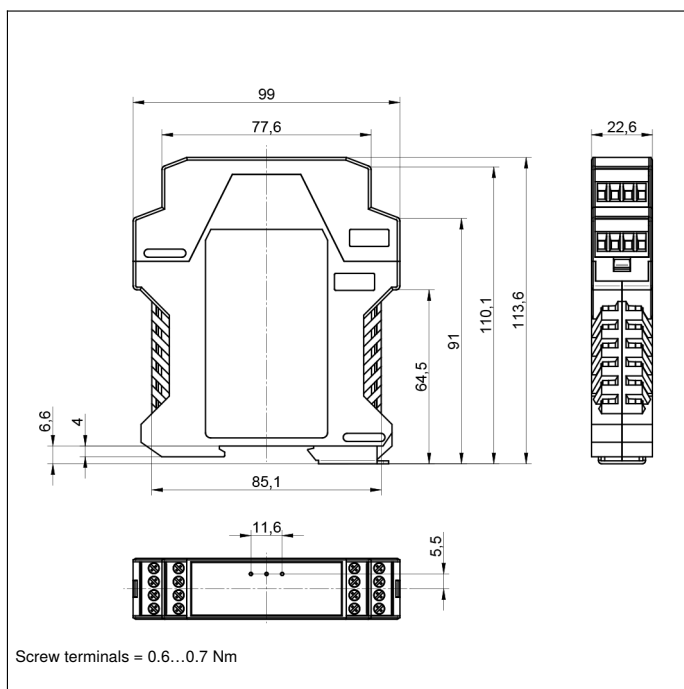
* PFHD for control incl. 4 S1Nx002

The analysis module is used to monitor up to 4 through-beam sensors. Interruption of one or more beams results in deactivation of the safety output.



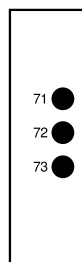
Complementary Products

S1Nx002 through-beam sensors
Software



Ctrl. Panel

S8



71 = Channel 1
72 = Channel 2/Error Indicator
73 = OSSD/Diagnosis