

Safety Analysis Module for Safety Through-Beam Sensor

SS2-00VA000R3

Part Number



- Connection of up to 4 through-beam sensors
- Integrated muting and override function
- Monitoring of external safety relays
- Potential-free safety relay outputs

Technical Data

Electrical Data

Supply Voltage	24 V DC
Current Consumption (U _b = 24 V)	< 260 mA
Response Time	< 30 ms
Temperature Range	0...55 °C
Safety Output	Relay
No. 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
Protection Class	II

Mechanical Data

Housing Material	Plastic PA
Degree of Protection	IP20
Connection	Screw Clamp

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 *
Safety Integrity Level (EN 62061)	SILCL1

Function

Restart Inhibit	yes
Contact Monitoring	yes
Muting Mode	yes
Override	yes

Connection Table No.

37

Control Panel No.

S9

* PFHD for control incl. 4 SL2

The individual safety light barrier control unit is used to monitor up to 4 through-beam sensors. Interruption of any single beam results in deactivation of the safety output.



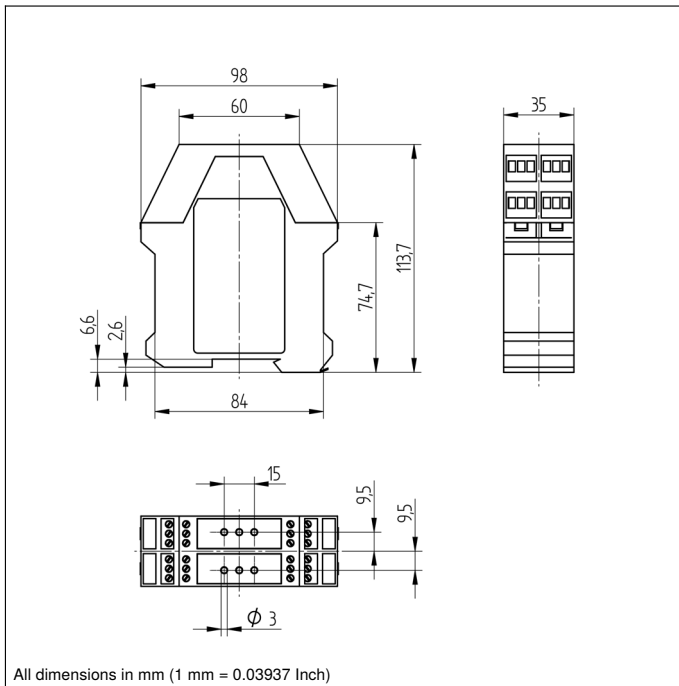
Complementary Products

Muting Indicator SM0-00CA000C1

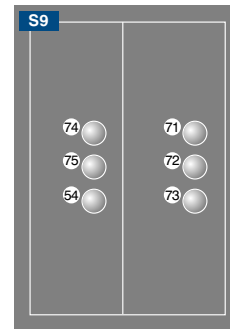
Muting Sensor: PNP NC, NO antivalent

Software

Through-Beam Sensor SL2-00NS000H2/SL2-00NE000H2



Ctrl. Panel



- 54 = Muting
- 71 = Channel 1
- 72 = Channel 2/Error Indicator
- 73 = OSSD/Diagnosis
- 74 = Muting Sensor 1
- 75 = Muting Sensor 2

T10_d depending on the strain

Data for SS2-00VA000R3 with up to 4 pairs of Safety Through Beam Sensors SL2

	Switching Interval	Strain	
		Medium: 220d/a, 16h/d	Strong: 330d/a, 16h/d
2 A at 230 V AC	30 s	1,89 a	1,26 a
	1 min	3,79 a	2,53 a
	5 min	18,94 a	12,63 a
	10 min	> 20 a	> 20 a
	1 h	> 20 a	> 20 a
	8 h	> 20 a	> 20 a
0,5 A at 24 V DC	30 s	0,95 a	0,63 a
	1 min	1,89 a	1,26 a
	5 min	9,47 a	6,31 a
	10 min	18,94 a	12,63 a
	1 h	> 20 a	> 20 a
	8 h	> 20 a	> 20 a

