

SGSB2-500

Safety Technology – Multi-Beam Safety Light Curtain Reflector Assembly

Technical data

Type	SGSB2-500
ID no.	3803237
Optical data	
Function	Light screen
Light type	IR
Optical resolution	500 mm
Scan field	500 mm
Number of beams	2
Scan Code	None
Electrical data	
Response time typical	< 40 ms
Mechanical data	
Design	Rectangular, SGS Safety Grid System
Dimensions	56.9 x 52 x 580.5 mm
Housing material	Metal, AL, Yellow polyester
Pollution degree	2
Lens	plastic, PMMA
Electrical connection	Connectors, M12 × 1
Ambient temperature	0...+55 °C
Storage temperature	-25...+70 °C
Relative humidity	15...95 %
Protection class	IP65
Tests/approvals	
Vibration resistance	10-55 Hz bei 0,35 mm
Shock test	10 g bei 16 ms (6000 Zyklen)
PL acc. to DIN EN 13849-1:2008	e
Category acc. to DIN EN 13849-1:2008	4
SIL according IEC 61508	3
Useful Lifetime	20 years



Features

- Passive reflector element
- Light beams: 2
- Resolution: 500 mm
- Requires active sender/receiver element
SGSSA2-500Q8 or SGSSMA2-500Q12
- SIL 3 (IEC 61508)
- PL e (ISO 13849-1)