



SLB240-ER-4-LST

- **SLB 240 Series -**
- Compact design With integral evaluation
- Range 15 m
- Safe OSSD outputs to PLc
- Automatic start or restart interlock
- Sturdy metal enclosure with M12 connector or cable
- Set-up tool and diagnostic indication

Data

Ordering data

EAN (European Article Number)	4030661492483
eCl@ss number, Version 9.0	27-27-27-01
eCl@ss number, Version 11.0	27-27-27-01

Approval - Standards

Certificates	TÜV cULus EAC
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General data

Standards	EN 61496-1 EN 61496-2
Coding, light barrier beam	4
Enclosure material	Aluminium
Gross weight	180 g

Reaction time, maximum	22 ms
Reaction time, minimum	7 ms

General data - Features

Restart interlock (manual reset)	Yes
Beam coding available	Yes
Integral System Diagnostics, status	Yes
Integral System Diagnostics	Yes
Number of beams	1
Number of fail-safe digital outputs	2

Safety appraisal

Standards	EN ISO 13849-1 EN 62061
Performance level, up to	c
Control category to EN13849	2
PFH-value	1.50×10^{-8} /h
Safety Integrity Level (SIL), suitable for applications in	1
Mission Time	20 Year(s)
Safety type in accordance with IEC 61496-1	2

Mechanical data

Detection ability for test bodies at $v = 1.6$ m/s	40 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	15,000 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal connector, Recipient

Cable with connector plug M12, 5-pole

Terminal, Connector, Transmitter

Cable with connector plug M12, 4-pole

Mechanical data - Dimensions

Length	33 mm
Width	27.8 mm
Height	72 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+50 °C
Storage and transport temperature, minimum	-30 °C
Storage and transport temperature, maximum	+70 °C
Protection rating	III

Electrical data

Voltage type	DC (direct current)
Switching voltage OSSD, HIGH signal	24 V
Electrical power consumption of the receiver, maximum	5 W
Electrical power consumption of the transmitter, maximum	5 W
Length of cable, maximum	100 m

Electrical data - Fail-safe digital outputs

Output current, (fail-safe output), maximum	0.2 A
Versions	p-type

Accessory

Recommended safety switchgear

PROTECT PSC1

SRB-E-204ST

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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