



SLB240-ER-1-LST

- 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

Product type description	SLB240-ER-1-LST
Article number (order number)	103013529
EAN (European Article Number)	4030661492452
eCl@ss number, version 12.0	27-27-27-01
eCl@ss number, version 11.0	27-27-27-01
eCl@ss number, version 9.0	27-27-27-01
ETIM number, version 7.0	EC001831
ETIM number, version 6.0	EC001831

Approvals - Standards

Certificates	cULus
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General data

Standards	EN IEC 61496-2 EN IEC 61496-1
Coding, light barrier beam	1

Housing material	Aluminium
Reaction time, maximum	22 ms
Reaction time, minimum	7 ms
Gross weight	180 g

General data - Features

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

Safety classification

Standards	EN ISO 13849-1 EN IEC 62061
Performance Level, up to	c
Category	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	0.3 m
Range, protection field, maximum	15 m
Wave length of the laserdiode	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
Ambient temperature	-30 ... +50 °C
Storage and transport temperature	-30 ... +70 °C
Protection class	III

Electrical data

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 - Safety digital outputs

Output current, (fail-safe output), maximum	0.2 A
Design of control elements	p-type

Accessory

Recommended safety switchgear	PROTECT PSC1 SRB-E-204ST
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Ordering code

Product type description:
SLB240-ER-(1)-(2)

(1)

1	Beam coding 1
2	Beam coding 2
3	Beam coding 3
4	Beam coding 4

(2)

ST	Termination male connector
LST	Cable with connector

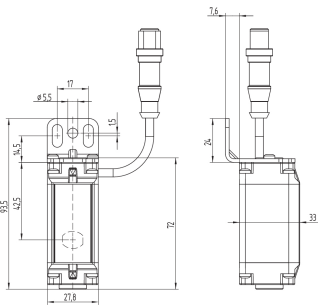
Pictures

Product picture (catalogue individual photo)



ID: kslb2f06
| 274.6 kB | .jpg | 352.778 x 278.342 mm - 1000 x 789 px - 72 dpi
| 19.1 kB | .png | 74.083 x 58.561 mm - 210 x 166 px - 72 dpi
| 33.7 kB | .jpg | 123.472 x 97.367 mm - 350 x 276 px - 72 dpi

Dimensional drawing basic component



ID: kslb4g04
| 93.0 kB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi
| 4.4 kB | .png | 74.083 x 69.497 mm - 210 x 197 px - 72 dpi
| 129.3 kB | .jpg | 352.778 x 331.611 mm - 1000 x 940 px - 72 dpi