



SLB240-ER-2-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-2-LST
Article number (order number)	103013530
EAN (European Article Number)	4030661492469
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	2

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

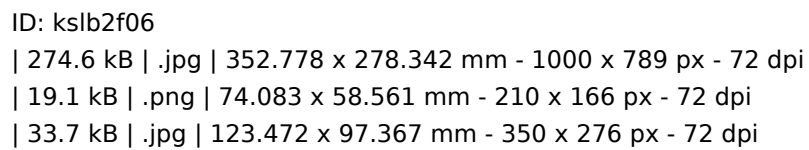
Recommended safety switchgear	PROTECT PSC1 SRB-E-204ST
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Ordering code

SLB240-ER-(1)-(2)

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

ST	Termination male connector
LST	Cable with connector

Product picture (catalogue individual photo)

Technical drawing of the 1000 Series 1/2" valve, showing front and side views with dimensions in inches. The front view shows a body with a diameter of 1.625 inches, a height of 1.625 inches, and a mounting flange with a diameter of 1.625 inches. The side view shows a body with a diameter of 1.625 inches, a height of 1.625 inches, and a mounting flange with a diameter of 1.625 inches. The drawing includes a detailed view of the mounting flange and a detailed view of the valve handle.

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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

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