

SLB240-ER-1-ST

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

Data

Ordering data

	SLB240-ER-1-ST
	103013801
EAN (European Article Number)	4030661492414
eCl@ss number, Version 9.0	27-27-27-01

Approval - Standards

TÜV
cULus
EAC

General data

	SLB240
	EN 61496-1
	EN 61496-2
Coding, light barrier beam	1
Enclosure material	Aluminium
Gross weight	170 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

	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), applicable for	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	Connector M12
Terminal connector, Recipient	Connector plug M12, 5-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole

Mechanical data - Dimensions

Width	27.8 mm
Height	91 mm
Length	33 mm

Ambient conditions

Protection class	IP 67 to IEC/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
	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

PROTECT PSC1
SRB-E-204ST

Pictures

Photo/Product/Catalogue

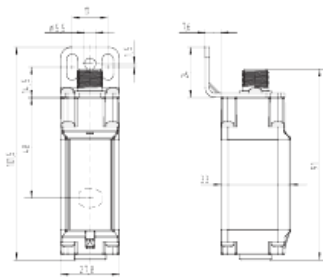


ID: kslb4f05

| 23,4 kB | .png | 74.083 x 59.619 mm - 210 x 169
Pixel - 72 dpi

| 335,5 kB | .jpg | 352.778 x 284.339 mm - 1000 x 806
Pixel - 72 dpi

Dimension/Product/Basic



ID: kslb4g03

| 132,2 kB | .jpg | 352.778 x 302.331 mm - 1000 x 857
Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 63.5 mm - 210 x 180 Pixel -
72 dpi

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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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