



SLB440-ER-1-ST-H

- **SLB 440 Series -**
- Compact design With integral evaluation
- Height range 75 m (Reserve up to 90 m)
- Safe OSSD outputs to PLe
- Automatic start or restart interlock
- Sturdy metal enclosure with M12 connector or cable
- Version with heater for outdoor applications down to -30°C
- Set-up tool and diagnostic indication

Data

Ordering data

Product type description	SLB440-ER-1-ST-H
Article number (order number)	103015483
EAN (European Article Number)	4030661503646
eCl@ss number, Version 9.0	27-27-27-01
eCl@ss number, Version 11.0	27-27-27-01

Approval - Standards

Certificates	TÜV EAC
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General data

Standards	EN 61496-1 EN 61496-2
Enclosure material	Aluminium
Gross weight	230 g

Reaction time, maximum	22 ms
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Reaction time, minimum	7 ms
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General data - Features

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

Standards	EN ISO 13849-1 EN 62061
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Performance level, up to	e
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Control category to EN13849	4
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PFH-value	1.50×10^{-8} /h
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Safety Integrity Level (SIL), suitable for applications in	3
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Mission Time	20 Year(s)
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Safety type in accordance with IEC 61496-1	4
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Mechanical data

Detection ability for test bodies at $v = 1.6$ m/s	100 mm
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Range, protection field, minimum	300 mm
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Range, protection field, maximum	75,000 mm
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Wave length of the sensor	880 nm
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Mechanical data - Connection technique

Terminal Connector	Connector M12
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Terminal connector, Recipient	Connector plug M12, 5-pole
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Mechanical data - Dimensions

Length	33 mm
Width	27.8 mm
Height	131 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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Pictures

Product picture (catalogue individual photo)

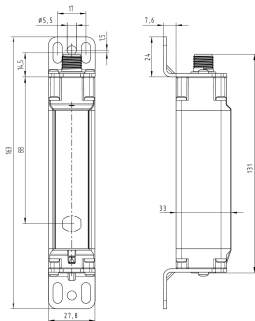


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| 335.5 kB | .jpg | 352.778 x 284.339 mm - 1000 x 806 px - 72 dpi

| 23.4 kB | .png | 74.083 x 59.619 mm - 210 x 169 px - 72 dpi

Dimensional drawing basic component



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| 4.9 kB | .png | 74.083 x 93.133 mm - 210 x 264 px - 72 dpi

| 140.6 kB | .jpg | 352.425 x 443.442 mm - 999 x 1257 px - 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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