



SLB440-ER-1-LST-H-EH

- 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-LST-H-EH
Article number (order number)	103015497
EAN (European Article Number)	4030661503608
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
--------------	-------

General data

Standards	EN IEC 61496-2 EN IEC 61496-1
-----------	----------------------------------

Housing material	Aluminium
Reaction time, maximum	22 ms
Reaction time, minimum	7 ms
Gross weight	310 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	e
Category	4
PFH value	1.50×10^{-8} /h
Safety Integrity Level (SIL), suitable for applications in	3
Mission time	20 Year(s)
Safety type in accordance with IEC 61496-1	4

Mechanical data

Detection ability for test bodies at $v = 1.6$ m/s	100 mm
Range, protection field, minimum	0.3 m
Range, protection field, maximum	75 m
Wave length of the laserdiode	880 nm

Mechanical data - Connection technique

Termination	Connector M12
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	111 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	45 W
Electrical power consumption of the transmitter, maximum	45 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
-------------------------------	-----------------------------

Ordering code

Product type description:
SLB440-ER-(1)-(2)-(3)-(4)

(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
(3)	
H	Alternative range
(4)	
EH	Electric heater

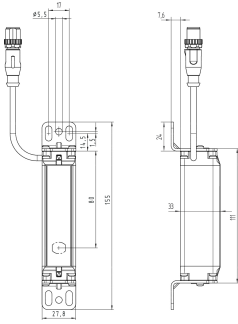
Pictures

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: kslb4g07

| 5.0 kB | .png | 73.731 x 100.894 mm - 209 x 286 px - 72 dpi

| 139.3 kB | .jpg | 352.778 x 481.542 mm - 1000 x 1365 px - 72 dpi

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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.

Generated on: 31/08/2024, 3:40 pm