

SLB440-ER-2-LST-H-EH



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

Data

Ordering data

	SLB440-ER-2-LST-H-EH
	103015498
EAN (European Article Number)	4030661503615
eCl@ss number, Version 9.0	27-27-27-01

Approval - Standards

TÜV
EAC

General data

	SLB440
	EN 61496-1
	EN 61496-2
Enclosure material	Aluminium
Gross weight	310 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	e
Control category to EN13849	4
PFH-value	1.50×10^{-8} /h
Safety Integrity Level (SIL), applicable for	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	300 mm
Range, protection field, maximum	75,000 mm
Wave length of the sensor	880 nm
Mechanical data - Connection technique	
Terminal Connector	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	
Width	27.8 mm
Height	111 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	45 W
Electrical power consumption of the transmitter, maximum	45 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: kslb2f06

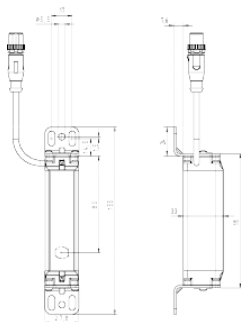
| 19,1 kB | .png | 74.083 x 58.561 mm - 210 x 166

Pixel - 72 dpi

| 274,6 kB | .jpg | 352.778 x 278.342 mm - 1000 x 789

Pixel - 72 dpi

Dimension/Product/Basic



ID: kslb4g07

| 139,3 kB | .jpg | 352.778 x 481.542 mm - 1000 x 1365
Pixel - 72 dpi

| 5,0 kB | .png | 73.731 x 100.894 mm - 209 x 286
Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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 432021-01-31T07:27:43+01:000701Europe/BerlinSun, 31 Jan 2021 07:27:43

+010043amSunday.31am31Europe/BerlinCET2701Europe/BerlinJanuary2021Sun, 31 Jan 2021 07:27:43

+010001am31